

CATALOGUE

2015



Globo is a Polish company producing receivers and accessories used in digital TV reception (terrestrial, satellite and cable). It has been on the market since 1992. Many years of experience as well as its high market profile are owed to the company's mission aimed at the customer's satisfaction with high quality products.

Polish receivers are created from scratch by the qualified personnel of managers, engineers and software developers and they are then marketed in many European and CIS countries.

During regular meetings of the board, project managers and the Marketing & Sales Department, each and every remark collected during meetings with users on expos are discussed and analysed. At that time, with the analysis of the situation on the market in mind, decisions are made concerning the production of new models of devices to meet specific needs and expectations of the clients.

Selected ideas are put into practice. In the hardware section designs of new devices are created from scratch with use of complicated measuring equipment and relevant software. Prototypes are then subjected to stringent tests, which enables minimisation of the likelihood of technical errors. An unquestionable advantage of having its own R&D Department, formed by Polish IT developers, is the ongoing improvement of GLOBO products' software – even those products, that were produced several years earlier. This feature tells apart products of GLOBO and OPTICUM BLUE from other offered by Chinese manufacturers and importers, who introduce products on the market solely for the time of temporary demand. The Polish product shall be continuously improved and the client shall be able to use the newest functions even several years after the purchase.

Globo's popularity in the market is proved by a long list of partners and distributors of the company's products as well as satisfied customers. STBs form the backbone of Globo's production. Thanks to cooperation with such companies as Conax or Irdeto, Globo can offer solutions adjusted to individual needs of satellite, cable and terrestrial TV viewers.



SUPPORTED CONDITIONAL ACCESS SYSTEM:



AND ALSO:
CRYPTON, CRYPTOGUARD,
DVCRYPT, CERBERCRYPT

DIGITAL CABLE RECEIVERS



HDXC1



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - works with one selected CAS system: Conax, Griffin, DVCrypt, CerberCrypt, XCrypt, Crypton, CryptoGuard, ABEL
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 0,5W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings
- Subtitle support
- Teletext support
- USB Current up to 600 mA
- Digital Audio Output (SPDiF)
- Multi-language OSD
- Fast channel switching
- Edit/Create own channel list



HDXC2



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - works with one selected CAS system: Conax, Griffin, DVCrypt, CerberCrypt, XCrypt, Crypton, CryptoGuard, ABEL
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings
- Digital Audio Output (SPDiF)
- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD
- USB Current up to 1000 mA



HDXC3 TWIN



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - works with one selected CAS system: Conax, Griffin, DVCrypt, CerberCrypt, XCrypt, Crypton, CryptoGuard, ABEL
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- 2xUSB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Edit/Create own channel list
- Ethernet
- Teletext support
- Current to each USB up to 600 mA
- Digital Audio Output (SPDiF)
- Multi-language OSD
- WiFi dongle support (option)
- Internal hard drive (option)



+ HDD
(OPTIONAL)

EMBEDDED TWIN TUNER WITH SIGNAL OUTPUT



HDXC9



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - CONAX Chipset Pairing
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 0.5W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- USB Current up to 600 mA
- Digital Audio Output (SPDiF)
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

CONAX CHIPSET PAIRING



HDXC9 TWIN



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - CONAX Chipset Pairing
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 0.5W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- USB Current up to 600 mA
- Digital Audio Output (SPDiF)
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

CONAX CHIPSET PAIRING

EMBEDDED TWIN TUNER WITH SIGNAL OUTPUT



HDXC80



MAIN FEATURES

- Fully Compliant with SD
- Card Reader - works with one selected CAS system: Conax, Griffin, DVCrypt, CerberCrypt, XCrypt, Crypton, CryptoGuard, ABEL
- High sensitivity Tuner
- Plug & Play Self Installing Programmes by Automatic Scanning
- Aspect ratio adjustment 4:3, 16:9
- PAL/NTSC convertible
- Fast channels switching
- Multi-language OSD
- 7 - Days EPG (depending on channel)

- Low power consumption in Stand-by mode, below 1W
- Automatic Stand-By mode after 3 hours from last using receiver for power saving
- Possibility of creating own channels lists
- Possibility of creating Favourite Lists
- Subtitle support - Teletex and DVB
- Teletext support
- Parental Lock for channels



CCI+



MAIN FEATURES

- Fully Compliant with SD/HD
- CI+ interface
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Digital Audio Output (SPDiF)
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

CI+



Rone/



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - IRDETO
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

IRDETO



DIGITAL SATELLITE RECEIVERS



HD XS65



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - works with one selected CAS system: Conax, Griffin, DVCrypt, CerberCrypt, XCrypt, Crypton, CryptoGuard, ABEL
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- 2x USB 2.0 port
- Ethernet
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 0.5W

- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings
- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD
- WiFi dongle support (option)



HD XS65 TWIN



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - works with one selected CAS system: Conax, Griffin, DVCrypt, CerberCrypt, XCrypt, Crypton, CryptoGuard, ABEL
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- 2x USB 2.0 port
- Ethernet
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings



**+ HDD
(OPTIONAL)**

EMBEDDED TWIN TUNER WITH SIGNAL OUTPUT



HD XS65 COMBO



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - works with one selected coding system: Conax, Griffin, DVCrypt, CerberCrypt, XCrypt, Crypton, CryptoGuard, ABEL
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- 2x USB 2.0 port
- Ethernet
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

SATELLITE + TERRESTRIAL RECEPTION



HD X9



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - CONAX Chipset Pairing
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

CONAX CHIPSET PAIRING



HD X9
COMBO



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - CONAX Chipset Pairing
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

CONAX CHIPSET PAIRING
SATELLITE + TERRESTRIAL RECEPTION



Rone!



MAIN FEATURES

- Fully Compliant with SD/HD
- Card Reader - IRDETO
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

IRDETO



SCI+



MAIN FEATURES

- Fully Compliant with SD/HD
- CI+ interface
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Digital Audio Output (SPDiF)
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

CI+



IR2



MAIN FEATURES

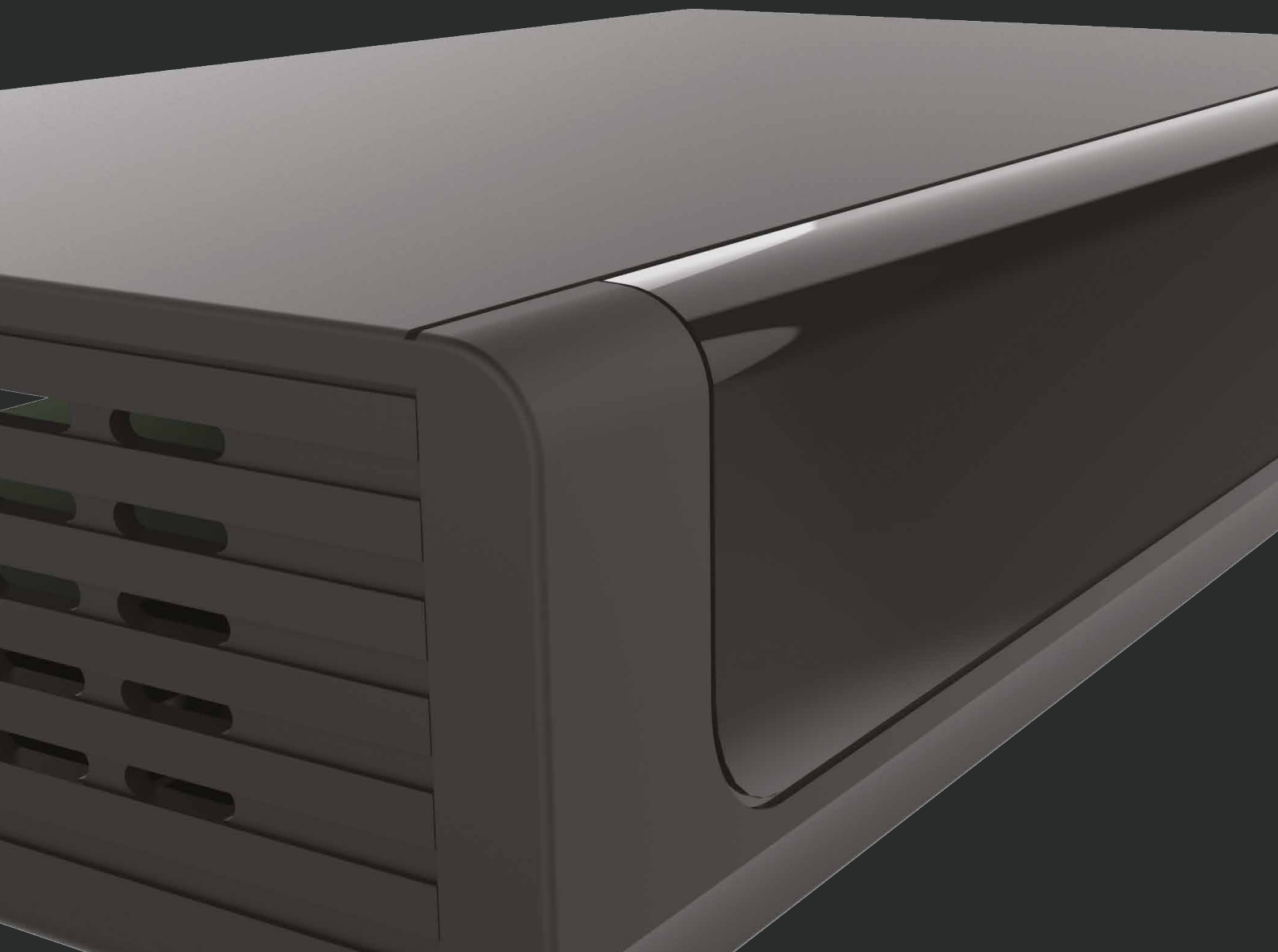
- Fully Compliant with SD/HD
- Card Reader - IRDETO
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD

IRDETO



DIGITAL TERRESTRIAL RECEIVERS



STB T90

N3



MAIN FEATURES

- Fully Compliant with SD/HD
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 0,5W

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings



STB T90

LITE



MAIN FEATURES

- Fully Compliant with SD/HD
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 0,5W

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings



STB N4



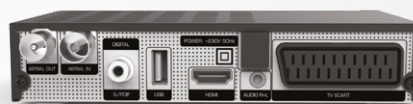
DVB-T2

MAIN FEATURES

- Fully Compliant with SD/HD
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 0,5W

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

ALI OR MStar
semiconductor
CHIPSET



GL30



**RCA OR SCART
OPTION**

DVB-T2

MAIN FEATURES

- Supports SD MPEG4 / MPEG2
- Supports HD MPEG4 / MPEG2
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- USB 2.0
- Multilingual EPG and Teletext
- Low power consumption in standby mode
- Multimedia Player
- Play movies (with subtitles)
- View Images
- Play music
- Simple software update

- Timeshift
- Possibility to connect external HDD
- Multilingual OSD

ALI OR MStar
semiconductor
CHIPSET



GL60



DVB-T2®

MAIN FEATURES

- Video resolution Full HD 1080p, 1080i, 720p, 576p
- High sensitivity Tuner
- Plug & Play Self Installing Programmes by Automatic Scanning
- USB port for Video Recording and advanced usage
- Time Shift (video pausing, rewinding)
- Aspect ratio adjustment 4:3, 16:9
- Multi-language OSD
- 7 - Days EPG (depending on channel)
- Low power consumption in Stand-by mode, below 0,5W
- Automatic Stand-By mode after 3 hours from last using receiver for power saving

- Parental Lock for channels
- Fast channels switching
- Possibility of creating own channels lists
- Possibility of creating Favourite Lists
- Subtitle support - Teletext and DVB
- Teletext support

BLUE MENU DESIGN



GL100



DVB-T2®

MAIN FEATURES

- Video resolution Full HD 1080p, 1080i, 720p, 576p
- High sensitivity Tuner
- Plug & Play Self Installing Programmes by Automatic Scanning
- USB port for Video Recording and advanced usage
- Time Shift (video pausing, rewinding)
- Aspect ratio adjustment 4:3, 16:9
- Multi-language OSD
- 7 - Days EPG (depending on channel)
- Low power consumption in Stand-by mode, below 0,5W

- Parental Lock for channels
- Automatic Stand-By mode after 3 hours from last using receiver for power saving
- Fast channels switching
- Possibility of creating own channels lists
- Possibility of creating Favourite Lists
- Subtitle support - Teletext and DVB
- Teletext support

BLUE MENU DESIGN



T90 HBB



MAIN FEATURES

- Fully Compliant with SD/HD
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- MPEG4/H.264 Hardware Decoding
- USB 2.0 port
- Ethernet
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings



GL1 HEVC



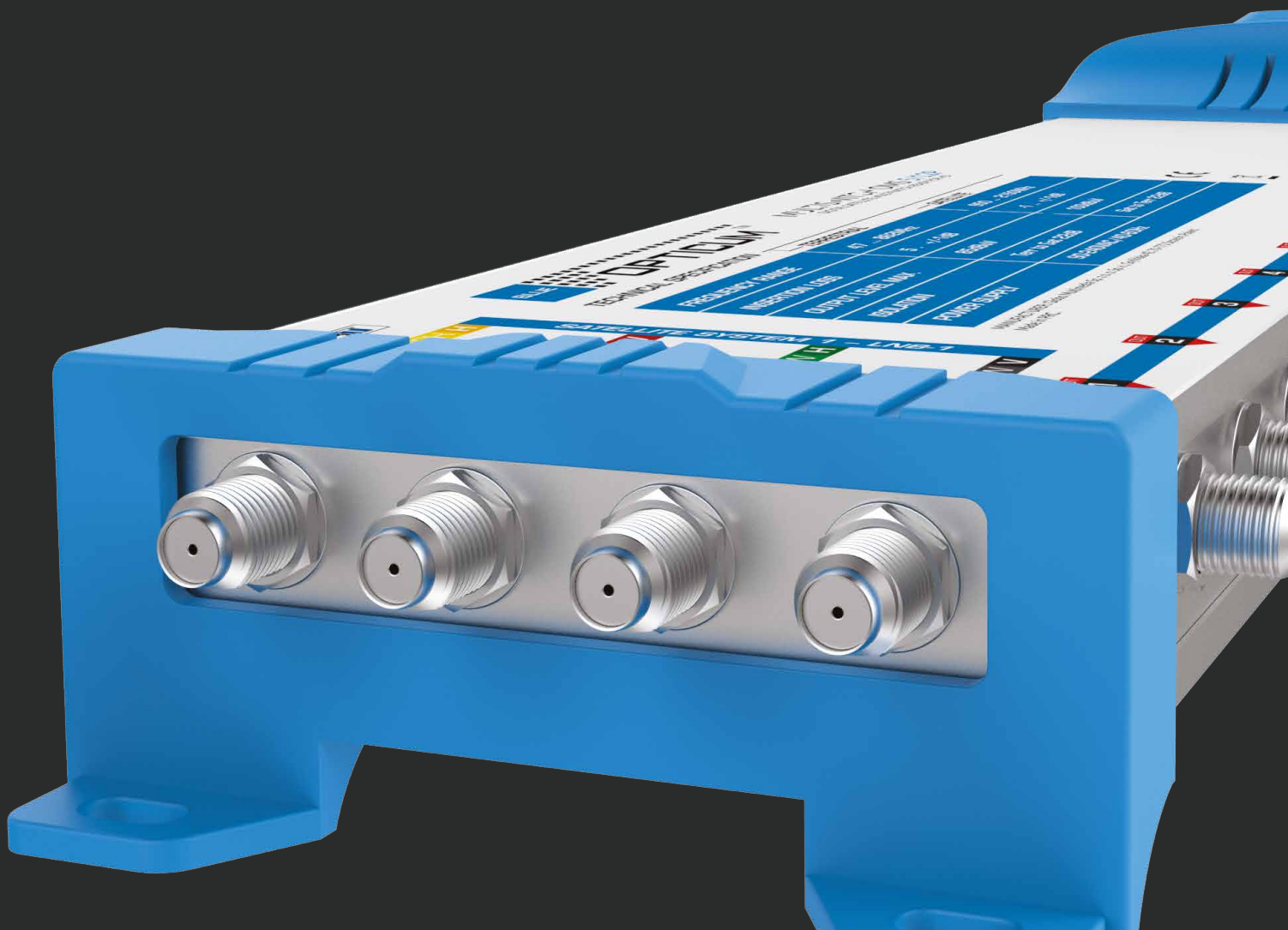
MAIN FEATURES

- Fully Compliant with SD/HD
- H.265/HEVC, MPEG4/H.264 Hardware Decoding
- Ultra HD Resolution support - 7680 × 4320
- Video Resolution Full HD 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- USB 2.0 port
- Aspect Ratio auto adjustment 4:3, 16:9
- Multi-language EPG
- Lower power consumption in Stand-by mode, below 1W
- Customizable automatic stand-by mode
- Parental Lock for channel and Menu Settings

- Fast channel switching
- Edit/Create own channel list
- Subtitle support
- Teletext support
- Multi-language OSD



MULTISWITCHES OMS SERIES



5xX



Model:		5x4	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	-3	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dBμV)	100@35dBMA, EN50083-3	
Terr. Output Level	(dBμV)	85@80dBMA, EN50083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x4



Model:		5x6	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	4	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dBμV)	100@35dBMA, EN50083-3	
Terr. Output Level	(dBμV)	85@80dBMA, EN50083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x6



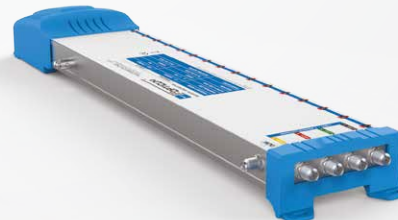
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Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	4	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dBμV)	100@35dBMA, EN50083-3	
Terr. Output Level	(dBμV)	85@80dBMA, EN50083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x8



Model:		5x12	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	0	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dBμV)	100@35dBMA, EN50083-3	
Terr. Output Level	(dBμV)	85@80dBMA, EN50083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x12



Model:		5x16	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	0	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dBμV)	100@35dBMA, EN50083-3	
Terr. Output Level	(dBμV)	85@80dBMA, EN50083-5	
Power supply (external adapter)		DC 18V 1.5A	

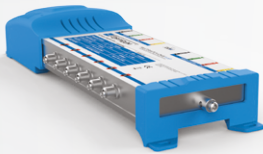
5x16

9xX



Model:	9x4	
Frequency Range	SAT (MHz)	950-2150
	Terrestrial (MHz)	47-862
Gain	SAT (dB)	0
	Terrestrial (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBIMA, EN50083-3
Terrestrial Output Level	(dBμV)	85@30dBIMA, EN50083-5
Power supply (external adapter)	DC 18V 1.5A	

9x4



Model:	9x6	
Frequency Range	SAT (MHz)	950-2150
	Terrestrial (MHz)	47-862
Gain	SAT (dB)	0
	Terrestrial (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBIMA, EN50083-3
Terrestrial Output Level	(dBμV)	85@30dBIMA, EN50083-5
Power supply (external adapter)	DC 18V 1.5A	

9x6



Model:	9x8	
Frequency Range	SAT (MHz)	950-2150
	Terrestrial (MHz)	47-862
Gain	SAT (dB)	0
	Terrestrial (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBIMA, EN50083-3
Terrestrial Output Level	(dBμV)	85@30dBIMA, EN50083-5
Power supply (external adapter)	DC 18V 1.5A	

9x8



Model:	9x12	
Frequency Range	SAT (MHz)	950-2150
	Terrestrial (MHz)	47-862
Gain	SAT (dB)	0
	Terrestrial (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBIMA, EN50083-3
Terrestrial Output Level	(dBμV)	85@30dBIMA, EN50083-5
Power supply (external adapter)	DC 18V 1.5A	

9x12



Model:	9x16	
Frequency Range	SAT (MHz)	950-2150
	Terrestrial (MHz)	47-862
Gain	SAT (dB)	0
	Terrestrial (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBIMA, EN50083-3
Terrestrial Output Level	(dBμV)	85@30dBIMA, EN50083-5
Power supply (external adapter)	DC 18V 1.5A	

9x16

MULTISWITCHES UMS SERIES



MULTISWITCH UMS SERIES			
Model	UMS-16	UMS-32	UMS-64
Ports	16	32	64
Power Supply	12VDC	12VDC	12VDC
Dimensions (mm)	100x100x20	100x100x20	100x100x20
Weight (g)	100	100	100
Operating Temperature	0°C to 50°C	0°C to 50°C	0°C to 50°C
Storage Temperature	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
Humidity	10% to 90%	10% to 90%	10% to 90%
Material	ABS	ABS	ABS
Color	Blue	Blue	Blue
Manufacturer	UMS	UMS	UMS

5xX



Model:		5x8	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	-3	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3	
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x8



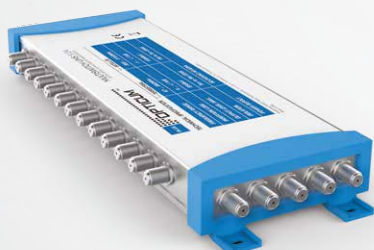
Model:		5x12	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	4	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3	
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x12



Model:		5x16	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	4	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3	
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x16



Model:		5x24	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	0	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3	
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x24



Model:		5x32	
Frequency Range	SAT (MHz)	950-2150	
	Terr. (MHz)	47-862	
Insertion Loss	SAT (dB)	0	
	Terr. (dB)	-3	
Switching Isolation	(dB)	30	
Isolation	(dB)	30	
Rejection	(dB)	28	
Return Loss	(dB)	10	
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3	
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5	
Power supply (external adapter)		DC 18V 1.5A	

5x32

9xX



Model:	9x8	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBMA, ENS0083-3
Terr. Output Level	(dBμV)	85@60dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

9x8



Model	9x12	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBMA, ENS0083-3
Terr. Output Level	(dBμV)	85@60dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

9x12



Model	9x16	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBMA, ENS0083-3
Terr. Output Level	(dBμV)	85@60dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

9x16



Model:	9x24	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBMA, ENS0083-3
Terr. Output Level	(dBμV)	85@60dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

9x24



Model:	9x32	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation	(dB)	25
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	8
SAT Output Level	(dBμV)	95@35dBMA, ENS0083-3
Terr. Output Level	(dBμV)	85@60dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

9x32

MULTISWITCHES PMS SERIES



5xX



Model:	5x4	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Insertion Loss	SAT (dB)	-3
	Terr. (dB)	-3
Switching Isolation	(dB)	30
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	10
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

5x4



Model:	5x6	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Insertion Loss	SAT (dB)	4
	Terr. (dB)	-3
Switching Isolation	(dB)	30
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	10
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

5x6



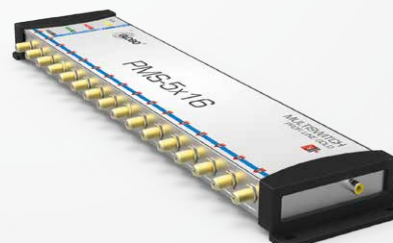
Model:	5x8	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Insertion Loss	SAT (dB)	4
	Terr. (dB)	-3
Switching Isolation	(dB)	30
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	10
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

5x8



Model:	5x12	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Insertion Loss	SAT (dB)	0
	Terr. (dB)	-3
Switching Isolation	(dB)	30
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	10
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

5x12



Model:	5x16	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Insertion Loss	SAT (dB)	0
	Terr. (dB)	-3
Switching Isolation	(dB)	30
Isolation	(dB)	30
Rejection	(dB)	28
Return Loss	(dB)	10
SAT Output Level	(dB μ V)	100@35dBMA, ENS0083-3
Terr. Output Level	(dB μ V)	85@30dBMA, ENS0083-5
Power supply (external adapter)	DC 18V 1.5A	

5x16

9xX



Model:	9x4	
Frequency Range	SAT (MHz)	50-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation (dB)	25	
Isolation (dB)	30	
Rejection (dB)	28	
Return Loss (dB)	8	
SAT Output Level (dB μ V)	95@35dBIMA, EN50083-3	
Terr. Output Level (dB μ V)	85@80dBIMA, EN50083-5	
Power supply (external adapter)	DC 18V 1.5A	

9x4



Model:P	9x6	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation (dB)	25	
Isolation (dB)	30	
Rejection (dB)	28	
Return Loss (dB)	8	
SAT Output Level (dB μ V)	95@35dBIMA, EN50083-3	
Terr. Output Level (dB μ V)	85@80dBIMA, EN50083-5	
Power supply (external adapter)	DC 18V 1.5A	

9x6



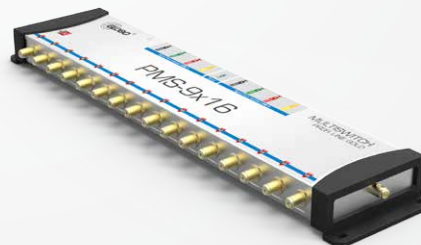
Model:P	9x8	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation (dB)	25	
Isolation (dB)	30	
Rejection (dB)	28	
Return Loss (dB)	8	
SAT Output Level (dB μ V)	95@35dBIMA, EN50083-3	
Terr. Output Level (dB μ V)	85@80dBIMA, EN50083-5	
Power supply (external adapter)	DC 18V 1.5A	

9x8



Model:	9x12	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation (dB)	25	
Isolation (dB)	30	
Rejection (dB)	28	
Return Loss (dB)	8	
SAT Output Level (dB μ V)	95@35dBIMA, EN50083-3	
Terr. Output Level (dB μ V)	85@80dBIMA, EN50083-5	
Power supply (external adapter)	DC 18V 1.5A	

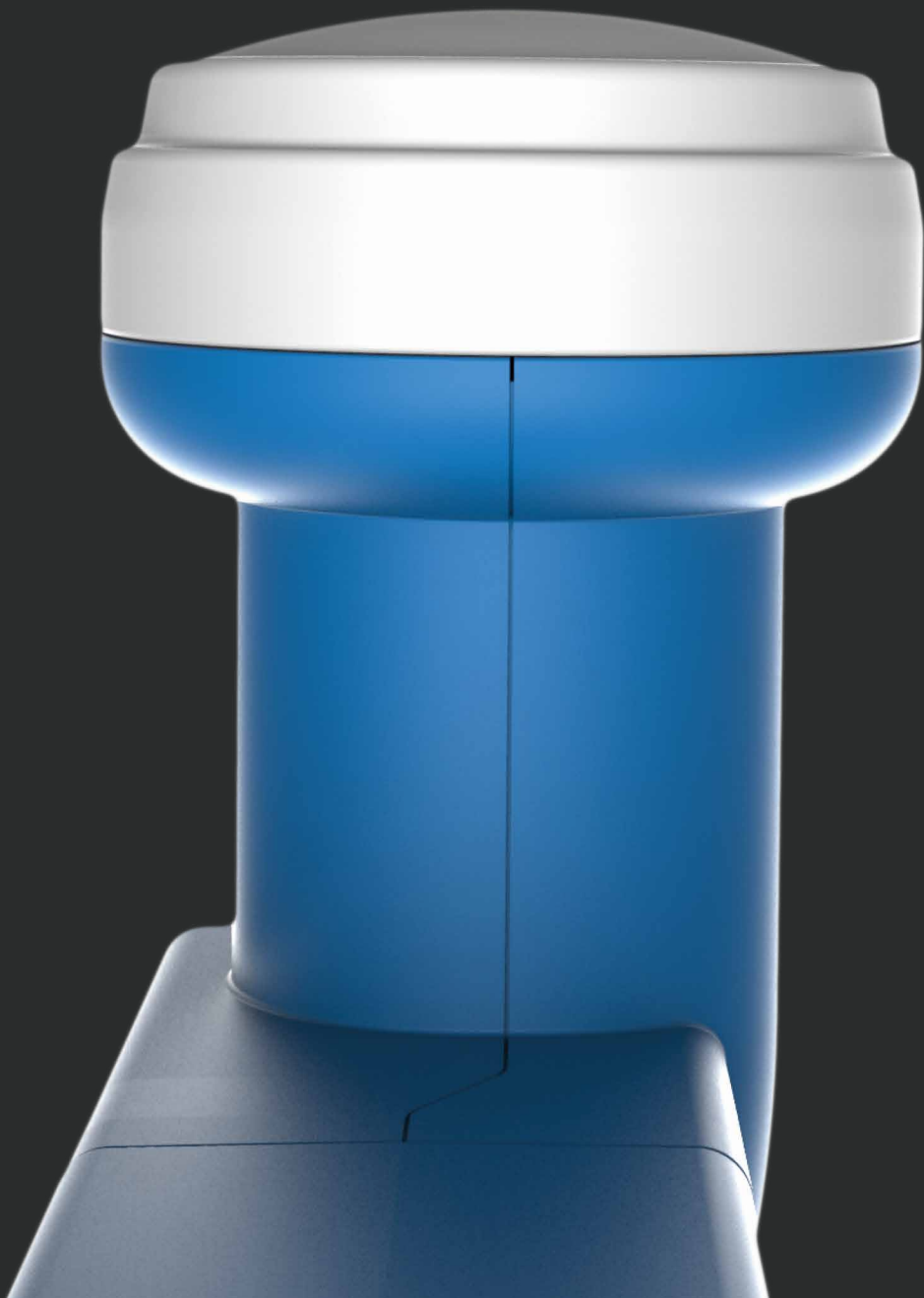
9x12



Model:	9x16	
Frequency Range	SAT (MHz)	950-2150
	Terr. (MHz)	47-862
Gain	SAT (dB)	0
	Terr. (dB)	2
Switching Isolation (dB)	25	
Isolation (dB)	30	
Rejection (dB)	28	
Return Loss (dB)	8	
SAT Output Level (dB μ V)	95@35dBIMA, EN50083-3	
Terr. Output Level (dB μ V)	85@80dBIMA, EN50083-5	
Power supply (external adapter)	DC 18V 1.5A	

9x16

LNB
PRO LINE



MAIN FEATURES

Noise figure: 0,1 dB (high fidelity)
 Input frequency: 10,7 - 12,75 GHz
 Polarization: linear H/V



PRO line

HIGH FIDELITY LNB SERIES



PRO1
SINGLE



PRO2
TWIN



PRO4
QUAD

DESIGNED TO WORK
WITH MULTISWITCH

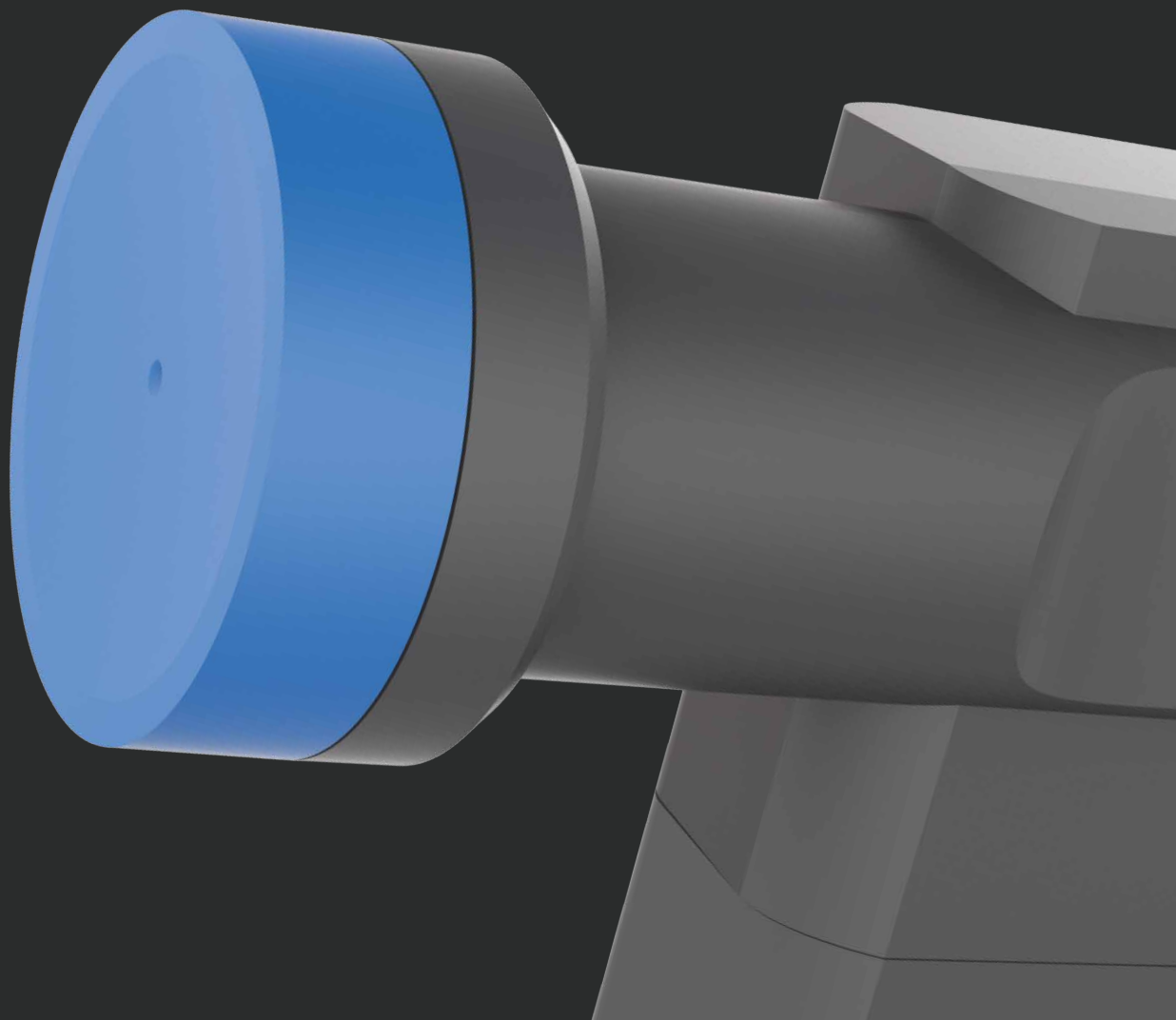


PRO4R
QUATTRO



PRO8
OCTO

LNB
04H V2 SERIES



MAIN FEATURES

Noise figure: 0,1 dB (typical)
 Input frequency: 10,7 - 12,75 GHz
 Polarization: linear H/V



LSP04H V2
SINGLE



LTP04H V2
TWIN



LQP04H V2
QUAD



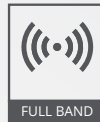
LUP04H V2
UNICABLE

LNB
04H SERIES



MAIN FEATURES

Noise figure: 0,1 dB (typical)
 Input frequency: 10,7 - 12,75 GHz
 Polarization: linear H/V



LSP04H
SINGLE



LTP04H
TWIN



LTP05H
TWIN



LQP04H
QUAD

DESIGNED TO WORK
WITH MULTISWITCH



LRP04H
QUATTRO



LOP04H
OCTO

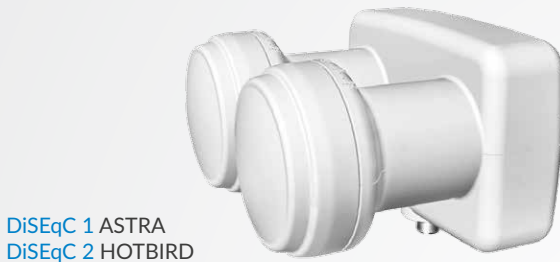
LNB 04H MONOBLOCK SERIES





MAIN FEATURES

Noise figure: 0,1 dB (typical)
 Input frequency: 10,7 - 12,75 GHz
 Polarization: linear H/V



DiSEqC 1 ASTRA
 DiSEqC 2 HOTBIRD

LMP04H
 SINGLE



DiSEqC 1 HOTBIRD
 DiSEqC 2 ASTRA

LMP04H
 SINGLE



DiSEqC 1 ASTRA
 DiSEqC 2 HOTBIRD

LMTP04H
 TWIN



DiSEqC 1 HOTBIRD
 DiSEqC 2 ASTRA

LMTP04H
 TWIN



DiSEqC 1 ASTRA
 DiSEqC 2 HOTBIRD

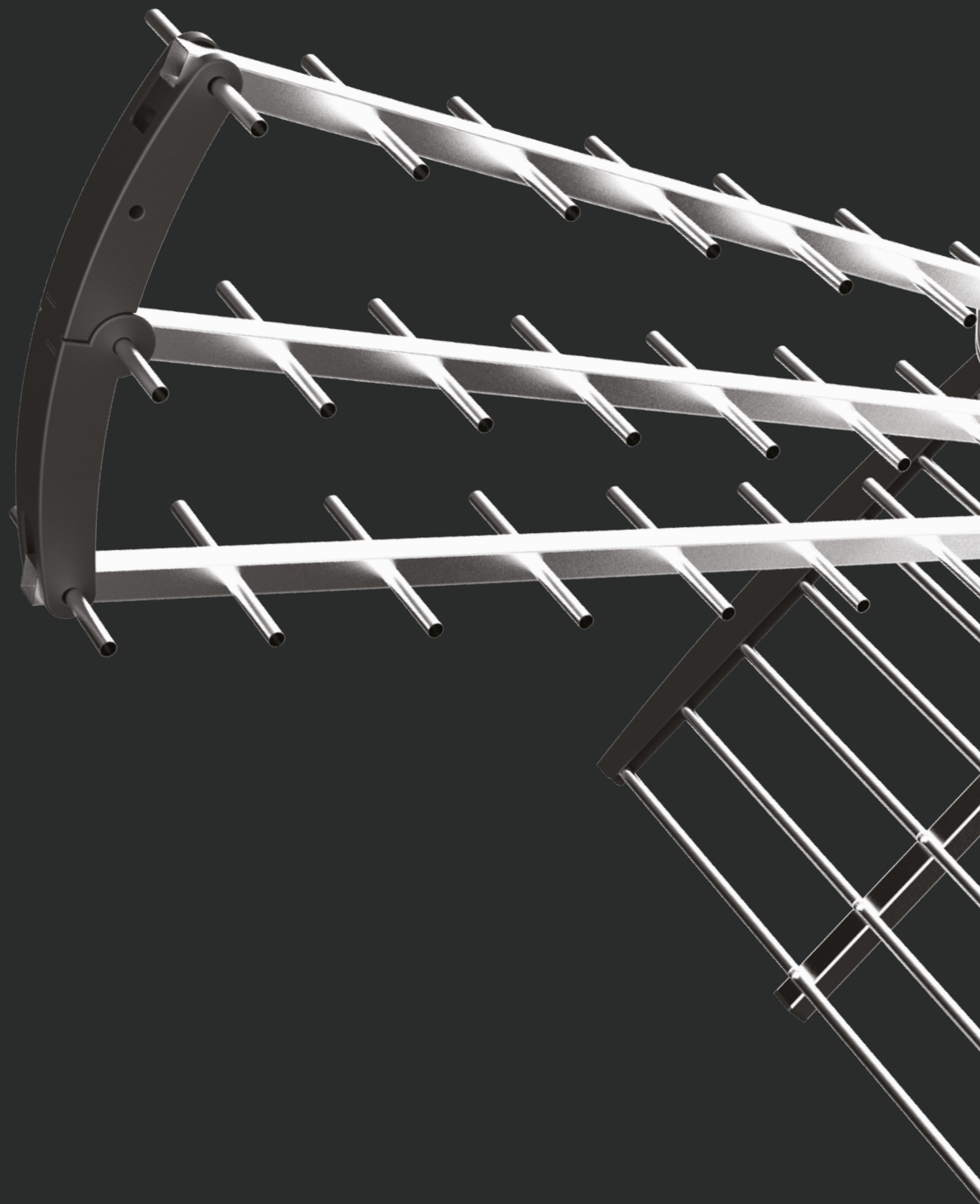
LMQP04H
 QUAD



DiSEqC 1 HOTBIRD
 DiSEqC 2 ASTRA

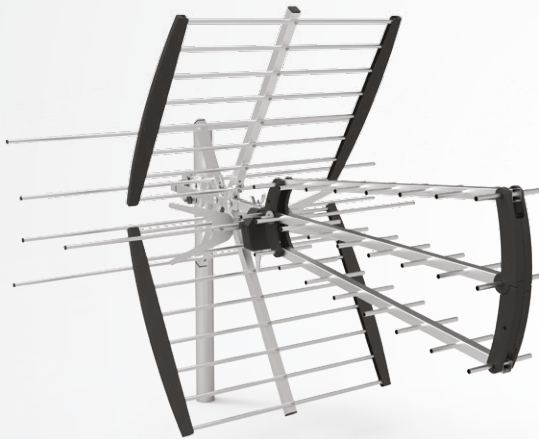
LMQP04H
 QUAD

ANTENNAS INDOOR AND OUTDOOR





GL1000+
HIGH PERFORMANCE OUTDOOR ANTENNA



GL1000+ VHF
HIGH PERFORMANCE OUTDOOR ANTENNA



GL900+
HIGH PERFORMANCE OUTDOOR ANTENNA

MAIN FEATURES

- For outdoor usage – waterproof and UV resistant
- Ideal for fringe reception areas
- Tilting mast bracket for easy adjustment
- UHD & Full HD for High Definition TV
- Booms fold flat and reflectors detach for easy storage/transportation.
- Impedance: 75 Ω
- Connection: F-type
- Forward Gain: 16.5dB
- Length 1.25m

MAIN FEATURES

- VHF Support
- For outdoor usage – waterproof and UV resistant
- Ideal for fringe reception areas
- Tilting mast bracket for easy adjustment
- UHD & Full HD for High Definition TV
- Booms fold flat and reflectors detach for easy storage/transportation.
- Impedance: 75 Ω
- Connection: F-type
- Forward Gain: 16.5dB
- Length 1.25m

MAIN FEATURES

- For outdoor usage – waterproof and UV resistant
- Ideal for fringe reception areas
- Tilting mast bracket for easy adjustment
- UHD & Full HD for High Definition TV
- Booms fold flat and reflectors detach for easy storage/transportation.
- Impedance: 75 Ω
- Connection: F-type
- Forward Gain: 14.5dB
- Length 76cm



GL800
HIGH PERFORMANCE OUTDOOR ANTENNA

MAIN FEATURES

- Omnidirectional characteristics
- For outdoor usage – waterproof and UV resistant
- Ideal for fringe reception areas
- Full HD Ready design for High Definition TV
- Frequency Range: FM:87-108MHz, VHF: 174-230MHz, UHF: 470-862MHz
- Impedance: 75Ω
- Gain: 64dB: VHF 32dB + UHF 32dB
- Noise Figure: < 3 dB
- Max Output level: 100dBuV



Z1
INDOOR ANTENNA

MAIN FEATURES

- Power supply: 5V from the receiver
- Frequency Range: FM:87-108MHz, VHF: 174-230MHz, UHF: 470-862MHz
- Gain: 13dB for 5V
- Output Impedance: 75 Ohm
- Antenna Gain: 6dB
- Sensitivity: 20dB
- Self Noise: 2.8dB
- Power consumption: 5V - 38mA max
- Power consumption: 12V - 12mA max



Z2
HIGH PERFORMANCE INDOOR ANTENNA

MAIN FEATURES

- Power supply: 5V from the receiver
- Frequency Range: FM:87-108MHz, VHF: 174-230MHz, UHF: 470-862MHz
- Gain: 14dB for 5V
- Output Impedance: 75 Ohm
- Antenna Gain: 6dB
- Sensitivity: 20dB
- Self Noise: 2.8dB
- Power consumption: 5V - 38mA max
- Power consumption: 12V - 12mA max

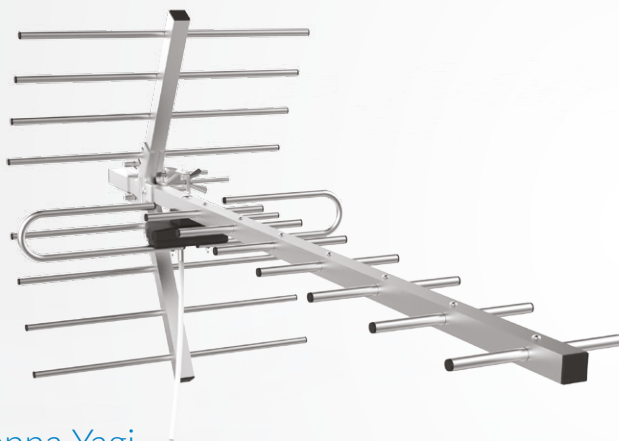


MAIN FEATURES

- Power supply: 5V from the receiver
- Frequency Range: FM:87-108MHz, VHF: 174-230MHz,
- UHF: 470-862MHz
- Gain: up to 32dB for 5V
- Output Impedance: 75 Ohm
- Antenna Gain: 6dB
- Sensitivity: 20dB
- Self Noise: 2.8dB
- Power consumption: 5V - 38mA max
- Power consumption: 12V - 12mA max
- Possibility for mounting Z2+ on the brick wall and also glass surfaces - brackets included.

Z2+

HIGH PERFORMANCE OUTDOOR ANTENNA



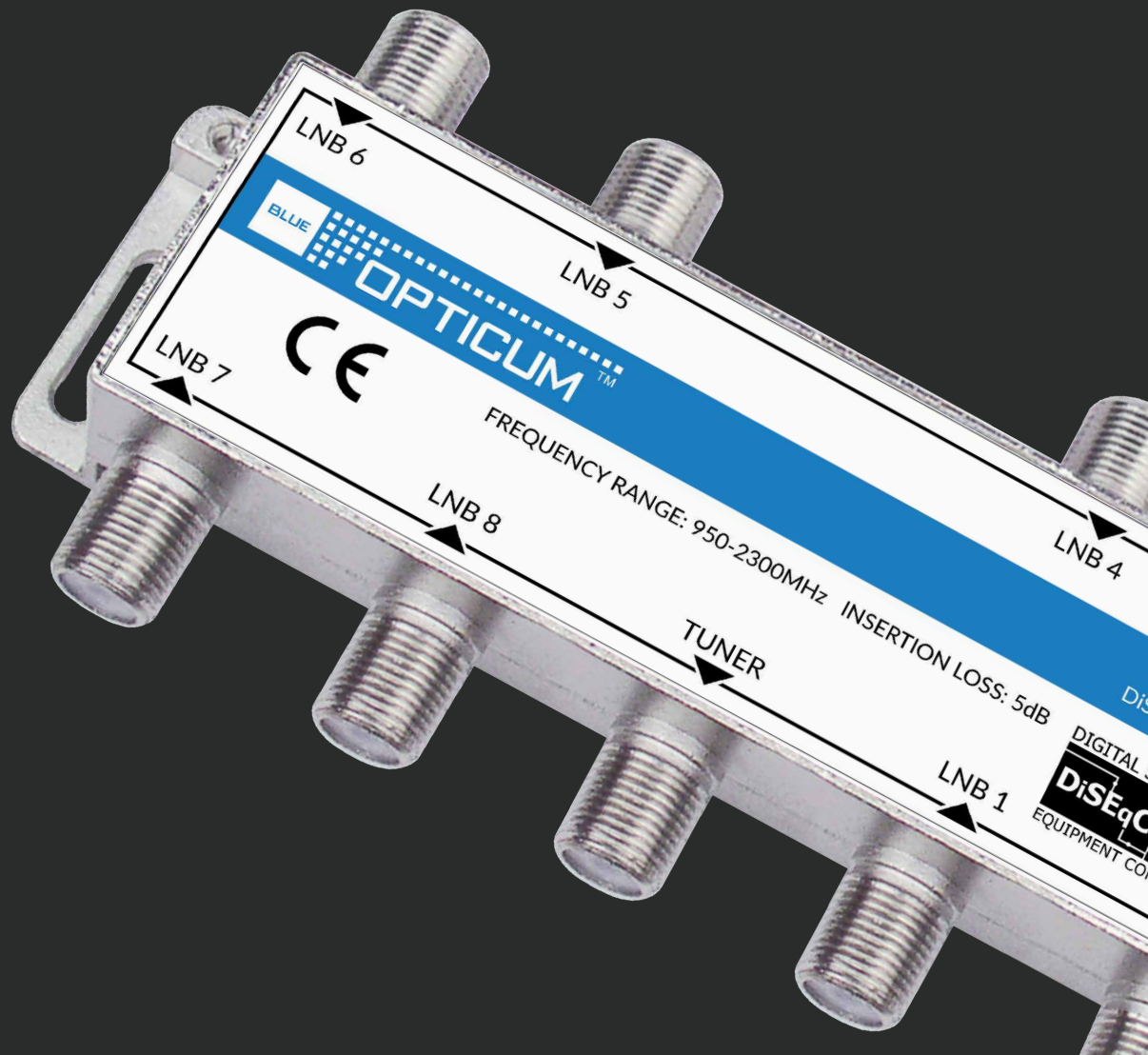
Antenna Yagi

HIGH PERFORMANCE OUTDOOR ANTENNA

MAIN FEATURES

- For outdoor usage – waterproof and UV resistant
- Ideal for fringe reception areas
- UHD & Full HD for High Definition TV
- Booms fold flat and reflectors detach for easy storage/transportation.
- Impedance: 75Ω
- Connection: F-type
- Forward Gain: 14dB

DISEQC SWITCHES





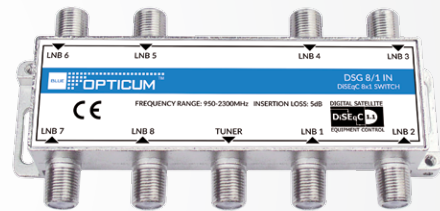
DSG2/1 OUT Frequency: 950-2400 MHz
Insertion Loss: 3 dB
Power: 12~20V DC/30mA



DSG4/1 IN Frequency: 950-2400 MHz
Insertion Loss: 3 dB
Power: 12~20V DC/30mA



DSG4/1 OUT Frequency: 950-2400 MHz
Insertion Loss: 3 dB
Power: 12~20V DC/30mA



DSG8/1 IN Frequency: 950-2300 MHz
Insertion Loss: 5 dB
Power: 12~20V DC/30mA

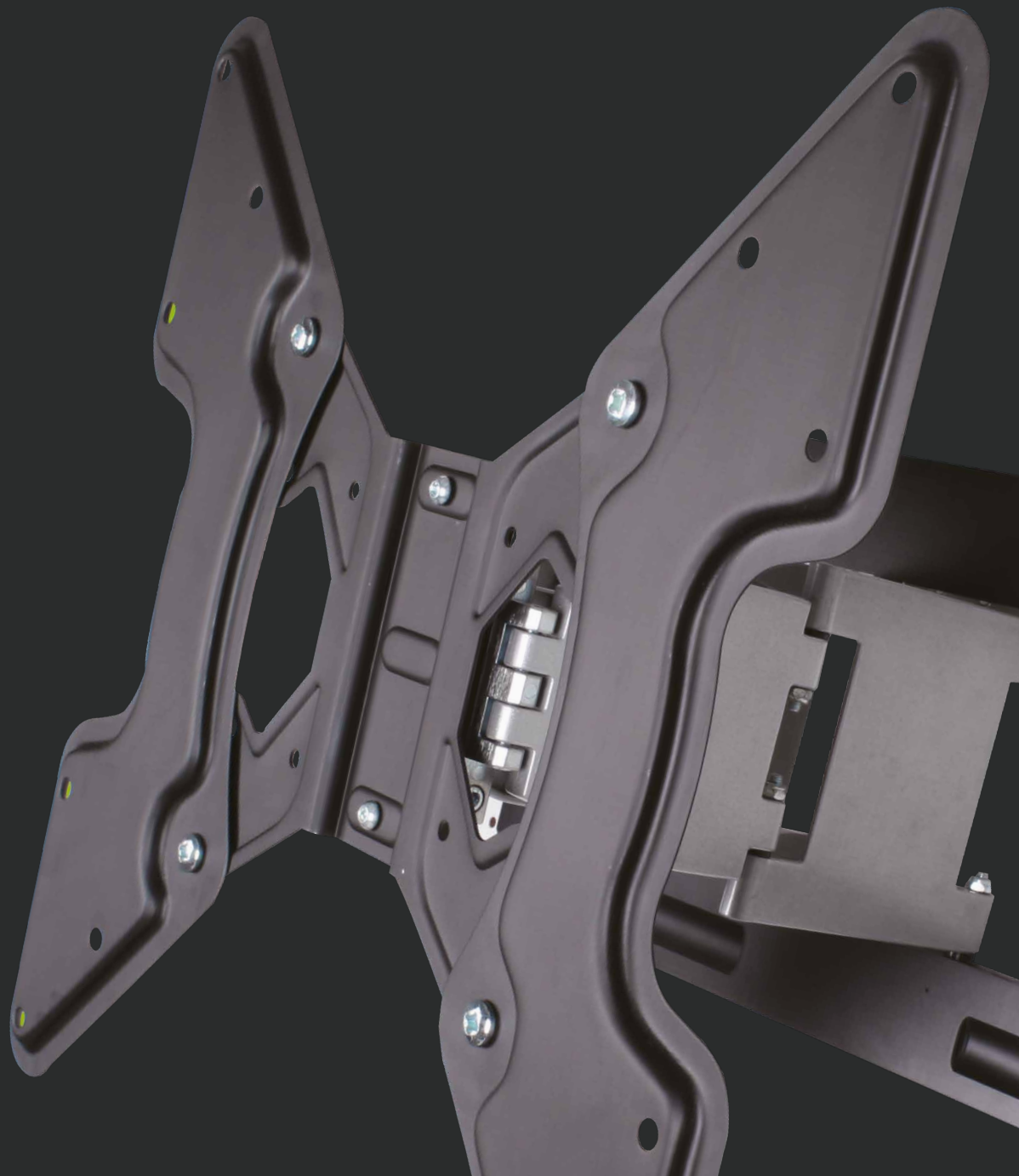


DSG10/1 OUT Frequency: 950-2150 MHz
Insertion Loss: 3 dB
Power: 12~20V DC/30mA



MH1 MOTOR 13/18V DC input
F-Type Connector
1,2m Dish Max.
350mA Max. Current

TV BRACKETS LCD/PLASMA

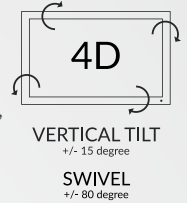




4D55V
ULTRA SLIM TV BRACKET

MAIN FEATURES

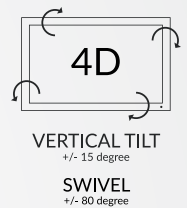
- TV size: 32" – 55"
- Max load: 30 kg
- Wall distance: 37 mm
- VESA: 100x100, 200x100, 200x200, 300x300, 400x200, 400x400 mm
- Tilt: -15°~+15°
- Swivel: 80°
- The set includes the necessary mounting hardware and user manual.



4D55
ULTRA SLIM TV BRACKET

MAIN FEATURES

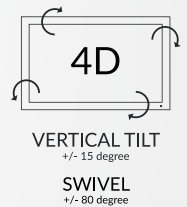
- TV size: 32" – 55"
- Max load: 30 kg
- Wall distance: 34 mm
- VESA: 400x200, 300x300, 400x400 mm
- Tilt: -15°~+15°
- Swivel: 80°
- The set includes the necessary mounting hardware and user manual.



4D70
ULTRA SLIM TV BRACKET

MAIN FEATURES

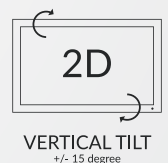
- TV size: 37" – 70"
- Max load: 30 kg
- Wall distance: 34 mm
- VESA: 400x200, 300x300, 400x400, 600x400 mm
- Tilt: -15°~+15°
- Swivel: 80°
- The set includes the necessary mounting hardware and user manual.

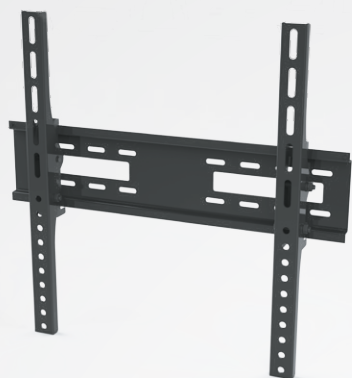


2D63
HIGH QUALITY TV BRACKET

MAIN FEATURES

- TV size: 37" – 63"
- Max load: 50 kg
- Wall distance: 50 mm
- VESA: 600 x 400 mm
- Tilt: -15°~+15°
- The set includes the necessary mounting hardware and user manual.

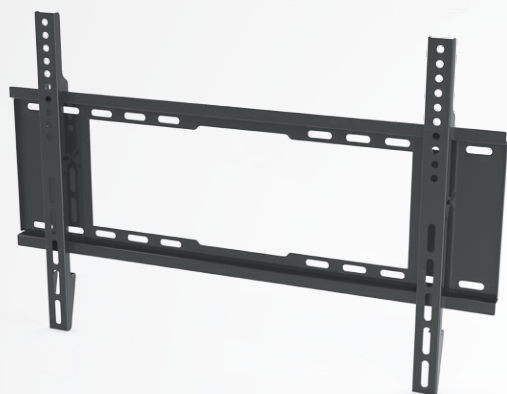
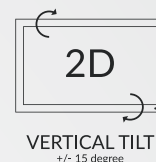




2D48
HIGH QUALITY TV BRACKET

MAIN FEATURES

- TV size: 37" – 48"
- Max load: 50 kg
- Wall distance: 50 mm
- VESA: 400 x 400 mm
- Tilt: -15°~+15°
- The set includes the necessary mounting hardware and user manual.



1D65
HIGH QUALITY TV BRACKET

MAIN FEATURES

- TV size: 26" – 65"
- Max load: 40 kg
- Wall distance: 30 mm
- VESA: 600x400 mm
- The set includes the necessary mounting hardware and user manual.



1D42
HIGH QUALITY TV BRACKET

MAIN FEATURES

- TV size: 32" – 42"
- Max load: 40 kg
- Wall distance: 30 mm
- VESA: 400 x 400 mm
- The set includes the necessary mounting hardware and user manual.



1D32
HIGH QUALITY TV BRACKET

MAIN FEATURES

- TV size: 14" – 32"
- Max load: 30 kg
- Wall distance: 30 mm
- VESA: 200 x 200 mm
- The set includes the necessary mounting hardware and user manual.



TV

40"/32"/27"





TV32
32" HD TV

MAIN FEATURES

- H.265 hardware decoding
 - T2+S2/T/C
 - DDR3 memory
 - CI+ interface
 - 3 x HDMI 1.4
 - Hotel mode available
 - Internal power adapter
-



TV21
21,5" HD TV

MAIN FEATURES

- H.265 hardware decoding
 - T2+S2/T/C
 - DDR3 memory
 - CI+ interface
 - 3 x HDMI 1.4
 - Hotel mode available
 - External power adapter 12V for camping use
-

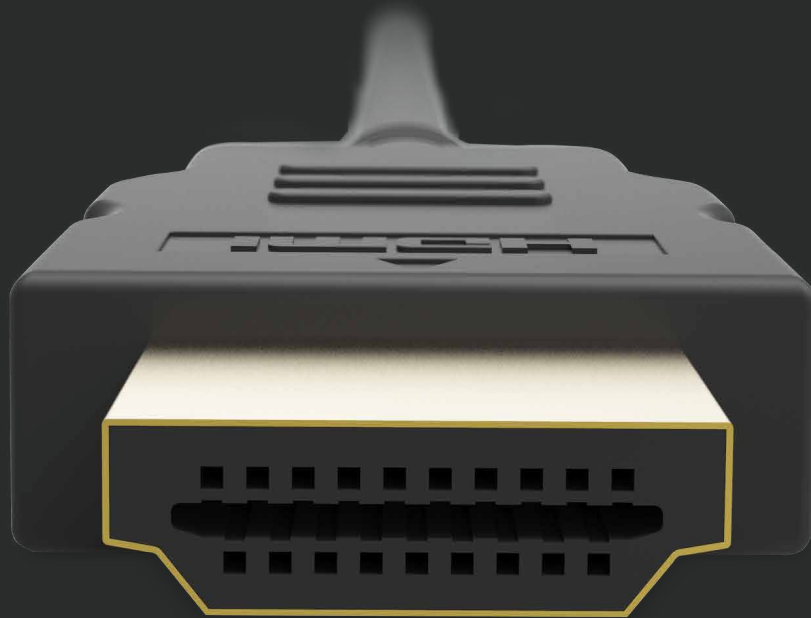


TV18
18,5" HD TV

MAIN FEATURES

- H.265 hardware decoding
- T2+S2/T/C
- DDR3 memory
- CI+ interface
- 3 x HDMI 1.4
- Hotel mode available
- External power adapter 12V for camping use

HDMI CABLES





GL180
HDMI CABLE



GL180 MICRO
MICRO HDMI CABLE

DESIGNED TO WORK WITH MOBILE
MULTIMEDIA DEVICES SUCH AS
TABLETS AND SMARTPHONES



GL180 MINI
MINI HDMI CABLE



GL180 PREMIUM
HIGH QUALITY HDMI CABLE



GL180 EXTREME
HIGH QUALITY HDMI CABLE

MAIN FEATURES

- Ideal shielded - resistant to external interference
- High quality workmanship - reinforced casing gold plated 24k plugs
- Supports resolution at 24-30-36 bit/px to 4096 x 2160p
- Supports 3D three-dimensional image
- Deep Color and xvYCC - range of more than 16.7 million colors
- Support for Super Audio CD and DVD Audio, Blu-ray discs, 8-channel audio and standards
- Compatible with 1.4 and previous versions 1.0-1.3
- Content Type - Automatic selection of the resolution

MAIN FEATURES

- Ideal shielded - resistant to external interference
- High quality workmanship - reinforced casing gold plated 24k plugs
- Supports resolution at 24-30-36 bit/px to 4096 x 2160p
- Supports 3D three-dimensional image
- Deep Color and xvYCC - range of more than 16.7 million colors
- Support for Super Audio CD and DVD Audio, Blu-ray discs, 8-channel audio and standards
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COAXIAL CABLES



QUADSHIELD

CCS core coaxial cable

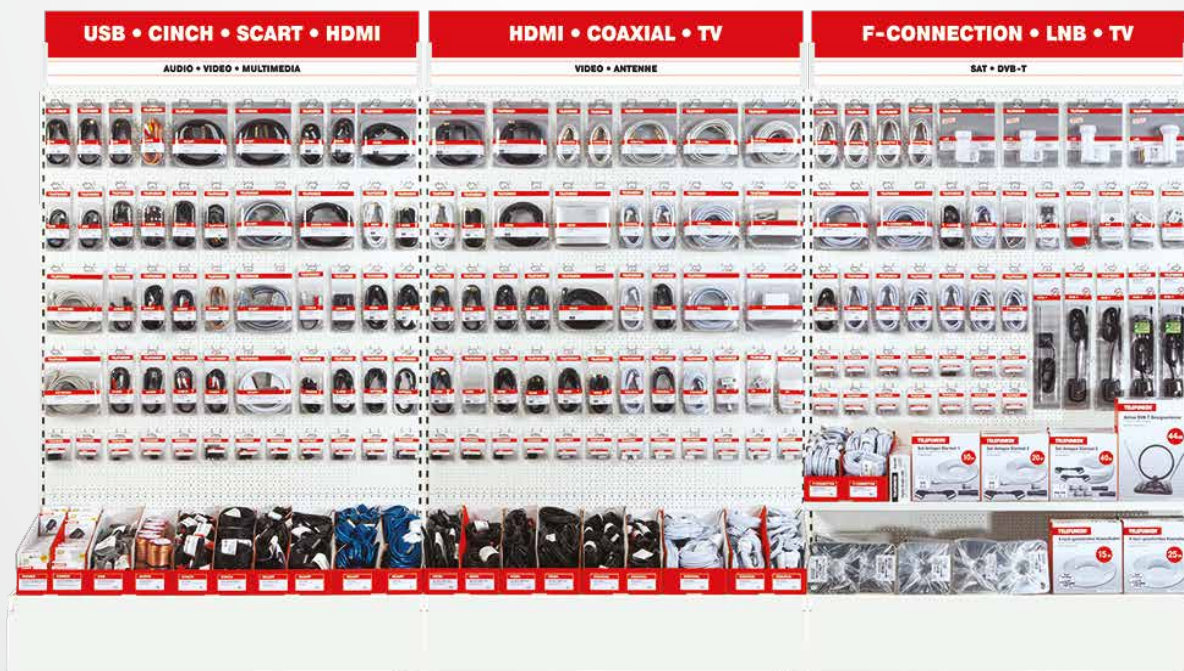
100 m / 250 m

**TRISHIELD**

CU core coaxial cable

100 m / 250 m

**Connectors for coaxial cables**







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