

New generation of MMDS Equipment

Push-Pull receiver

Headend MMDS *MultiSegment* Receiving Equipment

Push-Pull receiver suggests optimal solution for building of two-way wireless data networks.

Push-Pull receiver is incorporated in the MMDS headend and is fully compatible with any types of the DOCSIS 1.x, DOCSIS 2.x, EuroDOCSIS and DOCSIS+ headend modems (CMTS).

Receiving equipment Push-Pull exists in a wide variety of different models with one or several receive channels providing efficient use of network resources with separating the end users by reception sectors if necessary.

Push-Pull is built based on state-of-the-art *MultiSegment* technology combining receiving antenna in the form of active array, low noise amplifier and downconverter in one hermetic enclosure.

Key features:

- Improved throughput and extended coverage
- Fully compatible with any DOCSIS 1.x, DOCSIS2.x, EuroDOCSIS and DOCSIS+ headend modem types
- Low noise
- Wide dynamic range
- High reliability due to module design
- Effective receiving antenna in the form of active phased array
- Possibility for installing on the maximum available height



Specifications of Push-Pull Receiver (Standard Models)

Parameter	MDR12/1HO-11/45	MDR12/2X0-14/45	MDR12/4X0-17/45	MDR12/6X0-19/45
Frequency range	2305 ... 2325 MHz *			
Number of self-contained receive channels	1	2	4	6
Receive sector	360° *			
Single channel receive sector	360°	180°	90°	60°
Compatibility	DOCSIS 1.x, DOCSIS 2.x, EuroDOCSIS, DOCSIS+			
Supported digital modulation types	QPSK - QAM64			
Receiver noise	1.5 dB			
Receiver gain	45 dB			
Image rejection	60 dB			
Output signal level	80 – 130 dBμV			
Output connector type	5/8", 75 Ohm			
Antenna gain	11 dB	14 dB	17 dB	19 dB
Polarization	H (V)	H (V)	H+V	H+V
Power supply	10 – 24 V			
Power consumption	40 W			
Design	100% weatherproof, hermetic enclosure, maintenance-free			
Weight	17 kg			
Physical size	1,2 x Ø0,17 m			

* - Other designs are available



Televideo LLC

1 Magnitogorskaya Str
Kiev 02660 Ukraine

tel.: +38 (044) 537-28-76 (multichannel)

fax: +38 (044) 501-04-70

e-mail: tvideo@ln.ua

www.tvideo.com.ua