

FTTH HONU

- *Multi-polarity DBS, CATV, Off-Air and QAM over a Single Fiber Wavelength*
- *3 GHz Bandwidth, High Optical Sensivity*
- *Low Cost, Economically Feasible Solution*



Foxcom's High Sensitivity, HONU Optical Receiver is a cost effective solution for delivering RF analog and/or digital video services. The HONU's small footprint and excellent performance characteristics make it the perfect choice for FTTH or FTTU RF Video Overlay deployments. In MDU applications with low subscriber counts, the HONU can provide operators the flexibility to utilize all the advantages of fiber at a cost that fits the business model. For existing fiber deployments, the HONU allows operators to add additional satellite capabilities in parallel with their current services without major changes in architecture and associated capital outlays. When paired with Foxcom's broad selection of Fiber Optic Transmitters, integrators now have an economical way to eliminate coaxial trunks and inter-building links.

HONU
Series 800 HONU

Applications:

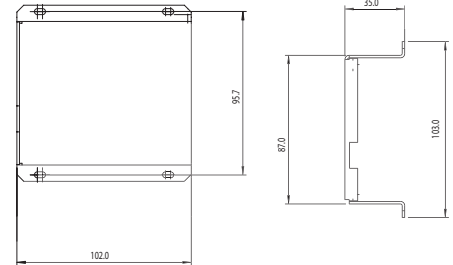
- FTTx RF Video Overlay
- Low Subscriber MDU
- Inter-building Links, Coax Elimination

Options:

- L-Band and CATV
- L-Band only
- CATV only

800 Series FTTH HONU

Parameter	800-1 CATV	800-2 DBS	800-3 CATV and DBS
AM/CATV Output			
Frequency Range	54 - 862 MHz		54 - 862 MHz
CATV RF Output Power	+23 dBmV +/- 1 dB per channel @ Pin = 0 dBm		+23 dBmV +/- 1 dB per channel @ Pin = 0 dBm
Slope 54 - 860 MHz	1 dB (typ.)		3 dB (typ.)
Ripple 54 - 862 MHz	+/- 1.5 dB		+/- 1.5 dB
CNR @ Pin = 0 dBm (OMI = 3.5%)	52 dB (typ.)		52 dB (typ.)
CSO @ Pin = 0 dBm	57 dB c		57 dBc
CTB @ Pin = 0 dBm	60 dB c		60 dB
Output Return Loss	-13 dB		-13 dB
RF Output Impedance	75 Ohm		75 Ohm
DBS Output			
Output Frequency		950 - 2900 MHz	950 - 2900 MHz
Average Output Power per Transponder @ 2.7 GHz @ 32 transponders		-20 dBm @ Pin = 0 dBm -40 dBm @ Pin = -10 dBm	-20 dBm @ Pin = 0 dBm
Ripple			
950 - 2200 MHz		1.5 dB	1.5 dB
2200 - 2900 MHz		1.5 dB	1.5 dB
Slope 950 - 2900 MHz		+3 dB (typ.)	+3 dB (typ.)
Output Return Loss		-10 dB	-10 dB
RF Output Impedance		75 Ohm	75 Ohm
IMD		-35 dBc @ Pin = 0 dBm	-35 dBc @ Pin = 0 dB
Receiver Optical Input Specifications			
Maximum Input Power	+1 dBm	+1 dBm	+1 dBm
Return Loss	> 45 dB	> 45 dB	> 45 dB
Wavelength Range	1290 - 1610 nm	1290 - 1610 nm	1290-1610 nm
Fiber Type	SMF-28 (or equiv.)	SMF-28 (or equiv.)	SMF-28 (or equiv.)
Optical Connector	SC/APC	SC/APC	SC/APC
Receiver General Specifications			
RF Connector Type	F-Type female (1)	F-Type female (1)	F-Type female (1)
Power Connector	2 Pins	2 Pins	2 Pins
Supply Voltage	+12 +/- 0.5 VDC	+12 +/- 0.5 VDC	+12 +/- 0.5 VDC
Current Drain	120 +/- 20 mA	100 +/- 20 mA	200 +/- 30 mA
Operating Temperature	-20 to +55° C	-20 to +55° C	-20 to +55° C
Storage Temperature	-40 to +80° C	-40 to +80° C	-40 to +80° C
General Dimensions	5" x 4.8" x 1.6"	5" x 4.8" x 1.6"	5" x 4.8" x 1.6"



HONU Ordering Code
Model Number: 800-(S)-(C)

Options:

- S** Service:
- 1 CATV
 - 2 L-Band
 - 3 L-Band and CATV
- C** Output Connectors:
- SC SC/APC

All specifications subject to change

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Document number 1300904 rev 6 - December 2006