Specifications



OPTIX Series 3

Fiber Optic Remote Antenna Distribution System

OPTIX is a low noise RF to fiber optic (RFoF) conversion system designed to facilitate the remote placement of wireless audio antennas. It converts radio frequency energy arriving from an antenna source into an optical signal, sends that signal down a length of fiber-optic cable, and converts the signal back into RF.

Required Accessories (not included)

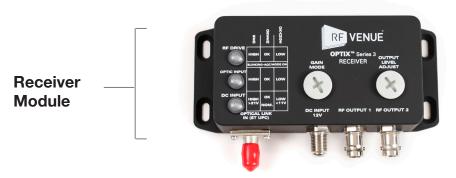
Fiber optic cable, 1310 nm single mode, ST/UPC

Recommended Accessories

Fiber optic cleaning tool Screw Driver



DC Control Preset: 0* Gain Adjust Preset: A*



Gain Mode Preset: 1* Output Level Preset: 2*

*Changing these settings is only recommended for advanced users. Contact us for more info.

IMPORTANT: Maximum RF input power is 0dBm/1mW. Do not exceed. Do not connect Optix modules to IEMs, IFBs, intercoms, or other Tx devices without attenuating input. Exceeding input voids warranty.

IMPORTANT: Fiber-optic connector end-face must be kept clean. Clean only with tools designed for fiber-optic component cleaning. Do not clean with cloth or paper.

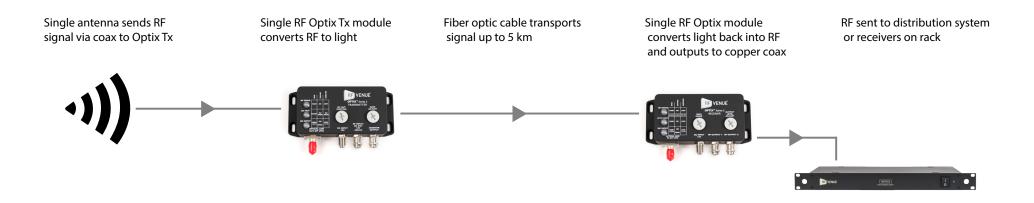
WARNING: To avoid electrical shock, do not remove covers. Do not expose to moisture.

Electrical	Physical		
Typical operating frequency	175-213, 470-698, 900-960 MHz	Dimensions (each, including flange and connectors) 138 mm X 77 mm X 33 mn	
VSWR avg	< 2.5:1	Tx weight	223 g
Impedance (nom)	50Ω	Rx weight	229 g
Max RF input power	< 0 dBm / 1 mW	Operating temperature	25C-75C
DC operating voltage	5-22 V	RF Connectors	BNC female
Power supply voltage	12.25 VDC	Optical connectors	ST/UPC
Tx Module Power Draw	~166 mA @ 12VDC		
Rx Module Power Draw	~258 mA @ 12VDC		
Optical Tx wavelength	1310 nm		



Distribution Diagram

SINGLE CHANNEL



DIVERSITY (2) CHANNEL

