

Single-Mode and Multi-Mode Fiber Optic System

HSTW1105-800 SERIES

HSTW1105-800 Series



- Digital Compressed(비압축) Real Time 전송
- Hot Swap 전원공급 장치
- Bi-di transmission on 1 fiber with WDM
- Standalone and 4Unit Chassis 장착
- 견고한 금속 케이스 제작

- Single mode distance 20km to 120km(최대),
- Multi mode distance ~ 1km
- 전원 이중화 Dual power supply

Introduction

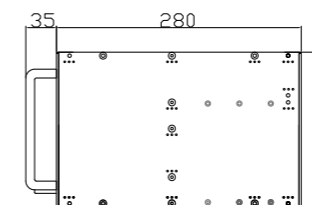
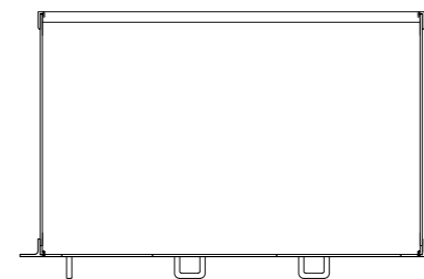
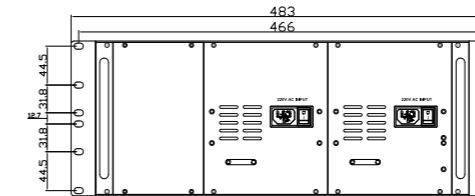
HSTW1105_800 Series DVI 디지털 멀티플렉서 광 전송장비는 1Core 또는 2Core의 광케이블을 이용하여 HD 비디오 신호 소스에서 출력되는 다양한 해상도의 DVI HD 신호를 전송하고, 시리얼 데이터 및 100M 네트워크, 실시간 동기화 기능을 갖춘 비압축 광전송 장비이며, 요구된 사양에 따라 광 전송이 가능한 장비이다.

Features

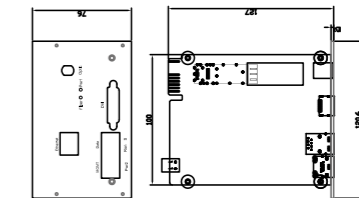
- UXGA1600 * 1200 / WUXGA1920 × 1200 @ 60Hz 지원.
- HDTV1080p 2048 * 1080 @ 60Hz 해상도 비율 및 최대 5.4Gbps 대역폭 지원.
- DVI HD 비디오 전송 지원.
- 내장형 자동 이퀄라이저 기능
- DVI 1.3b 표준.
- WDM, CWDM 광 다중화 방식 전송 가능.
- RS232 / RS485 / RS422 통신 데이터 방식 지원.
- 플러그 앤 플레이 방식으로 아무런 조정 없이 고품질의 오디오 출력이 가능.
- 산업용 및 모듈식 설계로 인해 장치의 신뢰성과 유연성이 향상.

Dimension

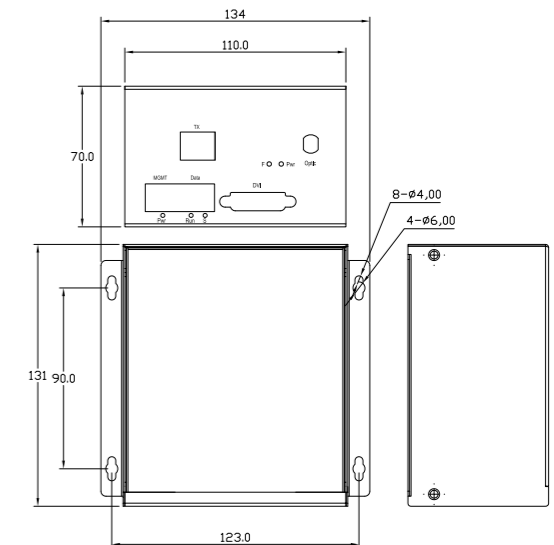
4UNIT Chassis



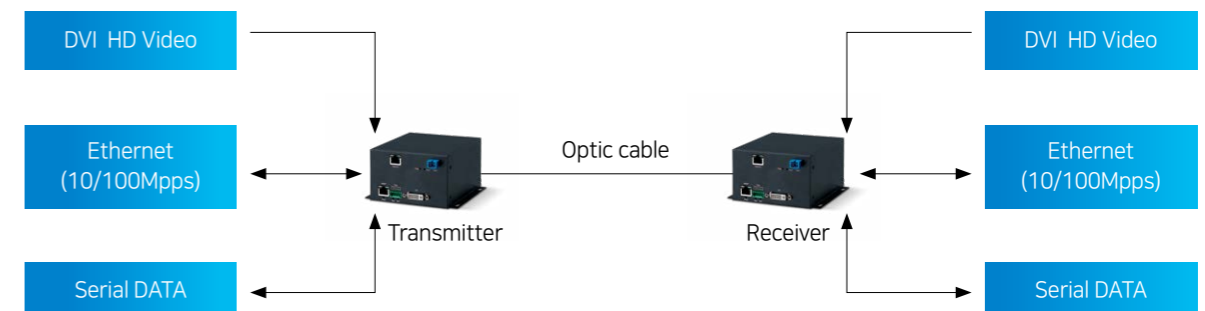
Card type



Standalone type



Application



Specifications

DVI Channel	DVI Channel : 1 채널
	Color depth : 8/10/12bit
	Pixel clock : 225MHz
	Bandwidth : 5.4Gbps
	Difference input level : 800-1200mVp-p(typical)
	Interface : DVI 1.3b
	Display resolution : UXGA 1600*1200@60Hz WUXGA 1920*1200@60Hz HDTV : 1080P
Data Channel	Connector : DVI Connector
	Data Channel : 1채널(Bi-dir/Unidir)
	Data Rate : 0~256kbps
	Format : RS-232/RS-422(Full Duplex) / RS-485(2/4W) 선택
	Bit Error rate : 1×10 ⁻⁹
Ethernet Channel	Connector : RJ45
	Ethernet Channel : 1채널
	Type : 10/100Mpps
Optical Port	Connector : RJ45
	Fiber Type : Multi-mode (50/125μm) WDM, 2FIBER Multi-mode (62.5/125μm) WDM, 2FIBER Single-mode (9/125μm) WDM, 2FIBER Single-mode CWDM (선택)
	Distance : Up to 60, 80, 120km Order
	Connector : ST ,FC,SC (Order Connectors)
Power Module	Stand-alone Chassis : 90~240VAC Adapter 12VDC 1A
	4U Rack Chassis : 90~240VAC Double hot backup powers
Environment	Operating : -40°C ~ +75 °C
	Storage : -45°C ~ +85°C
	Humidity : 0-95% Non-Condensing
Dimensions(mm)	Standalone : 130.5(W) x 179(D) x 50(H)
	Card type : 120(W) x 127(D) x 76(H)
	4UNIT chassis : 483(W) x280(D) x 177(H)mm
MTBF28	100,000hours

Ordering

HSTW1105-800-1DVI ↑ 1D ↓ 1E ↑ ↓ WSTR-FC20	1ch DVI Tx, 1ch DATA TRx, 1ch Eth TRx, single-mode, single fiber, 20km, FC connector
HSTW1105_800-1DVI ↑ 1D ↓ 1E ↑ ↓ MSTR-FC20	1ch DVI Tx, 1ch DATA TRx, 1ch Eth TRx, multi-mode, single fiber, 20km, FC connector

Item Number Code	
HSTW1105_800 Series	800-Video Optical Transmitter / Receiver (800-standalone type, 801-card type)
DVI	HD Video
D	Data
E	Ethernet
M,W	M-Multi-mode, W-Single mode
S,U	S-1310nm, U-1550nm
T,R	T -Transmitter, R-Receiver
FC,ST,SC,LC	Fiber connector type
↑, ↓, ↑ ↓	↑ - forward (from TX to RX), ↓ - reverse (from RX to TX), ↑ ↓ - bidirectional
1,2,3,...	Digits ahead of signal-quantity of required channel
05, 20, 40...	Digits next to fiber connector-working distance

주1) CWDM Version Optical Output Wavelength(nm)

A 1470, B 1490, C 1510, D 1530, E 1550, F 1570, G 1590, H 1610, M 1270, N 1290, P 1310, Q 1330, R 1350,
S 1370, T 1390, U 1410, V 1430, W 1450