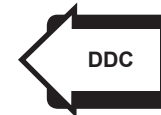
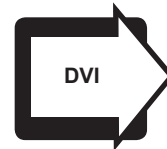


## Digitally-Encoded Single-Gang Wall Plate DVI Video Transmission System



### FEATURES:

- Digital transmission of DVI video over one, multimode fiber
- Supports VGA, SVGA, XGA, SXGA & UXGA (640x480x60Hz to 1920x1080x60Hz)
- HDTV resolutions of 480p, 720p, and 1080p
- H & V Sync Frequency range of 60 to 150Hz (vertical), 30 to 130kHz (horizontal)
- Uses all-digital processing & transmission for crystal-clear signals and no color skewing
- Real-time video transmission for exceptional quality & resolution – no video compression
- Auto detects & switches resolution & sync configurations
- Automatic enabled feature :  
√ LINK enters STANDBY MODE if no clock signal is present
- Requires no adjustments, equalization or de-skewing during setup
- Data throughput in excess of 6 Gbps (uncompressed). Most systems have 1.25 Gbps throughput with significant compression
- Supports DDC (Data Display Channel)
- Ruggedized Aluminum Housing and Face Plate
- Built-In cable equalizer :  
√ up to 40 meters 24AWG DVI cable @ 1.65 Gbps)
- Isolated Power Supply :  
√ 12-24V AC/DC  
√ Up to 1500 VDC

### DESCRIPTION:

Meridian's WT/WR-1DV-0 product is part of Meridian's DigiView™ product family. This state-of-the-art, cost-effective, high performance video transmission system transmits fully-compliant DVI signal over one, multimode fiber. Because it transmits signals in real-time, no video information is lost and is a perfect solution for dynamic video signals with crystal clear video and no color pixel skewing. Includes optical back channel on the same fiber for DDC communication.

### CONFIGURATIONS:

This WT/WR-1DV-0 product is available as a wall plate module that can be installed in standard single-gang electrical wall box.

### MARKETS:

- √ Courtrooms
- √ Medical & MRI displays
- √ Air traffic control
- √ Military information displays
- √ Stock exchanges
- √ Concert & sporting event video displays
- √ Video walls
- √ CAD / CAM
- √ Digital Signage

## SPECIFICATIONS:

### Video

Number of Video Channels .....	1 of DVI video
Horizontal Scan Rate .....	30kHz to 130kHz (auto sensing)
Vertical Scan Rate .....	60-150Hz (auto sensing)
Resolution Range.....	640x480x60 to 1920x1080x60
HDTV Resolution supported ..	480p, 720p, 1080p
Input Impedance/Level .....	50 $\Omega$ / 500 mV p-p, H&V 3V p-p

### Optical

Number of fibers .....	1
Fiber type .....	Multimode (62.5 or 50um)
Wavelength .....	850nm band
Operating distance .....	Up to 2km (50um fiber)*
	Up to 500m (62.5um fiber)*

### Connectors

Video .....	DVI-D (female)
Optical .....	SC/PC (one)
Power .....	12-24V AC/DC (4-Pin Terminal)

### Enviromental

Operating Temperature .....	0°C to +50°C
Storage Temperature .....	-55°C to +85°C
Relative Humidity.....	0 to 95% Non-condensing

### Quality

MTBF .....	>100,000 hours @ Ground Fix
	35°C per MIL217F

### Indicators (LEDs)

Power .....	Power Present - Green (OK)
Fiber .....	Fiber In - Green (OK)
Link .....	Link Status - Green (OK)
Video .....	Video Present - Green (OK)

### Physical

Dimensions .....	67.3 mm (2.65") L, 36.8 mm (1.45") W
	36.8 mm (1.45") D
Weight .....	225 gms (8 Oz)

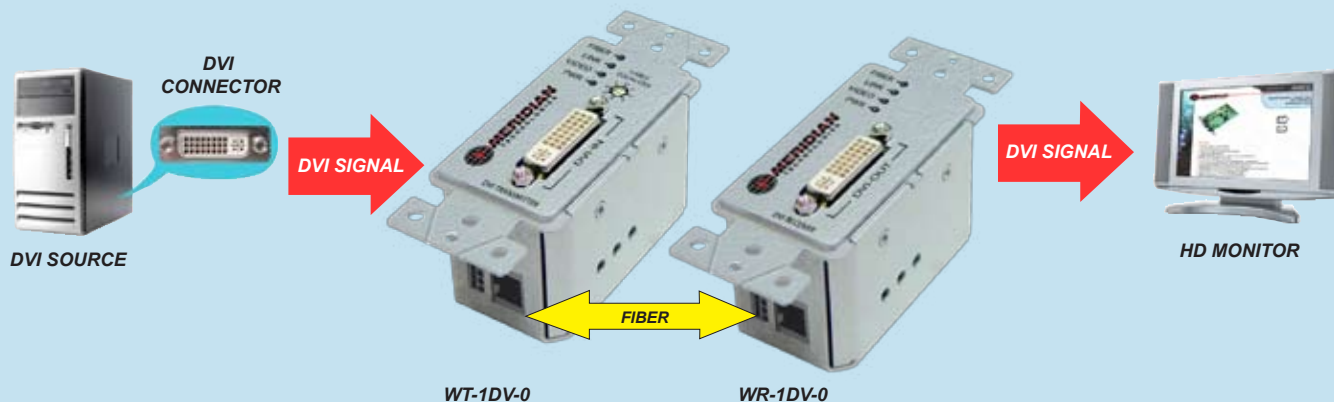
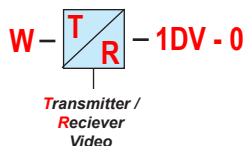
### Power \*\*

Unit .....	2 Watts
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\* Based on maximum resolution & fiber bandwidth

\*\* Due to variations of drivers and diagnostic options, power shown @ max value

### Part Numbers:



## OPTICAL:

Fiber Type/Size (um)	Optical Output (dBm)	Receiver Sensitivity (dBm)	Optical Budget (dB)	Wavelength (nm)	Optical Connector	Optical Dynamic Range (dB)
Multimode (Laser) 62.5/125 & 50/125	+3	-7	10	850	SC/PC	15

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