

Aiphone IS Hardware-Compatible Fiber Optic Connectivity between Aiphone IS Door Stations and IS-CCU





#### FEATURES:

- Compatible with Aiphone IS series exchangebased installations (IS-CCU)
- Single RJ-45 connector interface
- Real Time Video, Audio and Control Function Transmission
- One-way Video channel
- Bi-directional Audio
- Embedded Data channel for signal flow control
- Wide operating temperature range ideal for outdoor installations
- Wide Optical Dynamic Range: Eliminates need for optical attenuators
- Controlled laser output for stable operation
- Local LED Status Indicators to monitor critical diagnostic & performance parameters
- ST, FC Optical Connector
- Hot Swappable Cards

#### **DESCRIPTION:**

The Meridian FT/FR-IS-DV-x product provides a simple, compact fiber optic transport system which seamlessly interfaces the Aiphone IS door stations with the IS-CCU or other exchange units hardware interconnect applications.

The high-quality, cost-effective transport system provides a long distance solution for campuses, parking lots, stairwells, and other remote locations.

This product series ensures an easy, user-friendly interface between the Aiphone IS Series equipment and the fiber optic infrastructure for hardware Aiphone IS applications.

A single RJ-45 connection is used to interface this Meridian unit with the corresponding Aiphone equipment. These products are available for operation over one multimode or singlemode fiber.

#### **CONFIGURATIONS:**

This product series is available as rack mount cards that can be installed in any of Meridian's desk chassis or in 19" racking frames. This system can be transformed in to a standalone module by utilizing Meridian's SR-500 chassis frame.

#### **MARKETS:**

- Security and surveillance
- Access Control

## SPECIFICATIONS: -

## Interface and compatibility

Door station compatibility ... IS-DV, IS-RS & IS-SS Control unit compatibility ... IS-CCU, IS-SCU & IS-RCU

#### **Connectors**

Input/output ...... RJ45 (shielded) Optical ..... ST - MM(default), FC - SM(default)

## **Optical**

Fiber Data Rate ...... 350 Mb/s

### Power \*\*

Card ..... 4 Watts

### Indicators (LEDs)

1 - Green	Power On
1 - Bi-color	TX Carrier/ Laser Over Current
1 - Bi-color	RX Carrier - Present / Error
1 - Green	Video Present
1 - Green	Sync. Present
1 - Green	Tx Audio Input
1 - Green	Rx Audio Output
1 - Green	Tx Data Input
1 - Green	Rx Data Output

measured @ max. optical budget

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

### Physical

Dimensions (Card) .....

	20
Weight (Card)	45
No. of Slots	1
Module	Se

160 mm (6.3") L, 127 mm (5") W 20mm (0.80") W 450 gms (16 Oz) 1 See SR-500 Brochure

## Enviromental

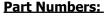
Operating Temperature-3Storage Temperature-5Relative Humidity0

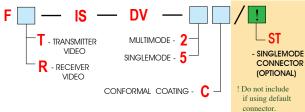
-34°C to +74°C -55°C to +85°C 0 to 95% Non-condensing

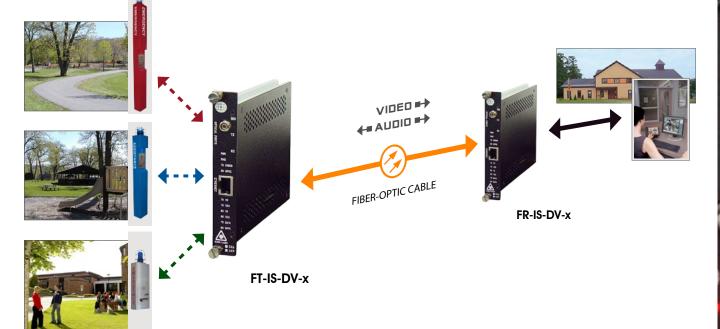
## Quality

MTBF	 •••	 •••	 •	•••	•	•	•	•	•	•	•	•	•	•

>170,000 hours @ Ground Fix 35°C per MIL217F







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# **OPTICAL:**

Meridian Optical Code	Fiber Type/Size (um)	Optical Output (dBm)	Receiver Sensitivity (dBm)	Optical Budget (dB)	Wavelength (nm)	Optical Connector	Optical Dynamic Range (dB)	Estimated Maximum Transmission Distance (km)		
2	Multimode (FP Laser) 62.5 / 125	-5	-25	20	1300 / 850	ST	25	2		
5	Singlemode (FP Laser) 9 / 125	-5	-25	20	1310 / 1550	ST, FC	25	50		

Meridian Technologies Inc.

700 Elmont Road. •Elmont, NY 11003 • 516. 285. 1000 • FAX 516. 285. 6300 • E-mail sales@meridian-tech.com www.meridian-tech.com