

Pan/Tilt Fiber System

FTS-BS, FTS-FBAS-VCG-L

A Member of the Pan/Tilt System Family of Products

Power, Control & Connectivity



Features:

» Rugged and Flexible

Ultra flexible, lightweight & cost effective hybrid cable solution. Features ruggedized & dirt protected fiber optics, metal housing & heavy duty cable retention.

» Compact and Efficient

The Fiber Base Station is a rack-mountable unit which occupies one rack unit space and can house four Fiber Modules. Each module provides connectivity to one Pan/Tilt Head.

» Signal Integrity

The Telemetrics Fiber System uses duplex single mode fiber with LC connectors. One fiber for Ethernet and the second fiber for camera video and Genlock sync, bi or tri-level signals.

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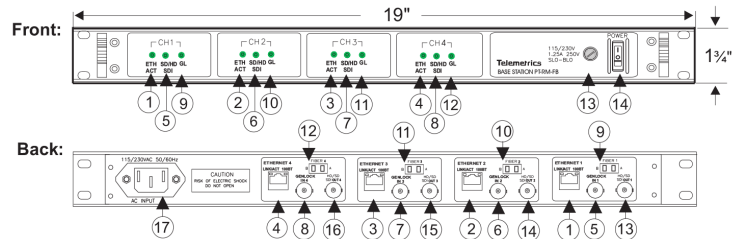
FTS-BS PT-RM Fiber Base Station

Front:

- 1-4 "ETH ACT" LED
- 5-8 "HD/SD SDI" LED
- 9-12 "GL" LED
- 13 Fuse holder
- 14 Power ON/OFF switch

Back:

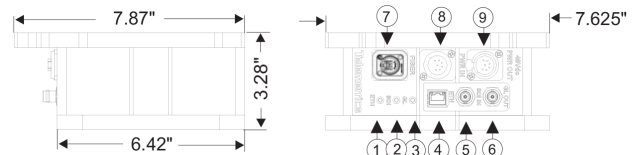
- 1-4 "Ethernet" In/Out
- 5-8 "GL" Genlock Input
- 9-12 "Fiber" LC Duplex In/Out
- 13-16 "HD/SD SDI" Output
- 17 AC Power Receptacle



FTS-FBAS-VCG-L Pan/Tilt Head Fiber Adapter

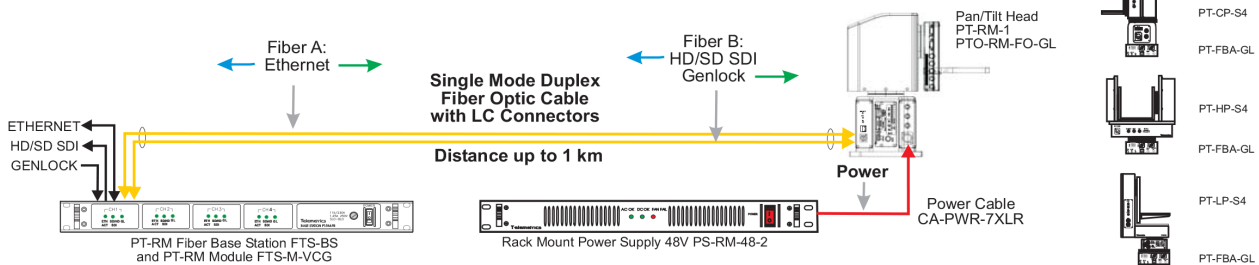
- 1 "ETH ACT" LED
- 2 "HD/SD SDI" LED
- 3 "GL" LED
- 4 "Ethernet" In/Out
- 5 "HD/SD SDI" Input
- 6 "GL" Genlock Output

- 7 Fiber OpticalCON
- 8 "POWER IN" Input
- 9 "POWER OUT" Output

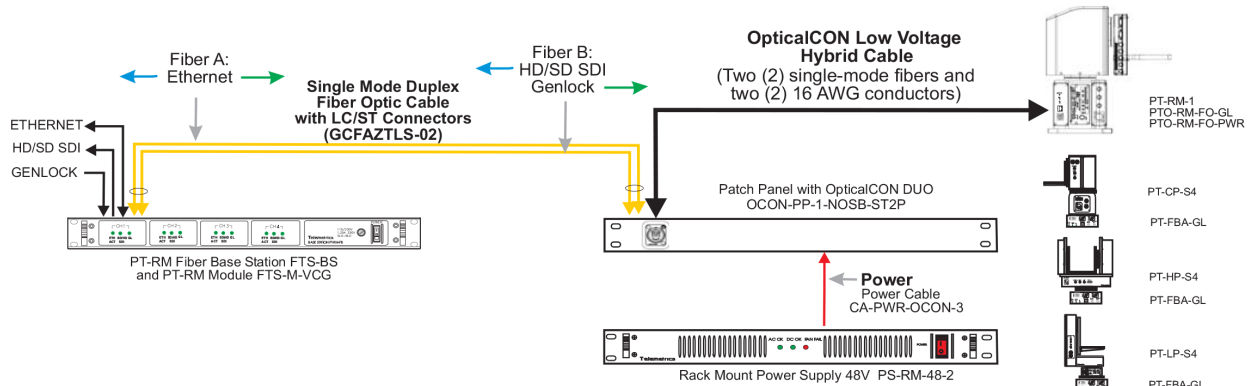


Dimensions in inches

Fiber Option Hook-up Diagram using Duplex Fiber Optic Cable with LC Connectors



Fiber Option Hook-up Diagram using OpticalCON Low Voltage Hybrid Cable



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Cable Distance Capability using OpticalCON Low Voltage Hybrid Cable				
Cable Length [feet/m]	Neutrik P/N Joseph El. P/N	Max Delivered Power [wW]	Typical System Configuration	Notes
50'/15m	NKO2SA-S5-R-0-15 CAJLVH-NOSP-NOSP-50	290*	P/T+Telev+Cam+Telepr	Any Camera+Teleprompter
100'/30m	NKO2SA-S5-R-0-30 CAJLVH-NOSP-NOSP-100	290*	P/T+Telev+Cam+Telepr	Any Camera+Teleprompter
150'/45m	NKO2SA-S5-R-0-45 CAJLVH-NOSP-NOSP-150	290*	P/T+Telev+Cam+Telepr	Any Camera+Teleprompter
200'/61m	NKO2SA-S5-R-0-61 CAJLVH-NOSP-NOSP-200	225*	P/T+Telev+Cam+Telepr	Cam+Telepr Power <=100W
250'/76m	NKO2SA-S5-R-0-76 CAJLVH-NOSP-NOSP-250	180	P/T+Cam+Telepr	Any Camera
300'/91m	NKO2SA-S5-R-0-91 CAJLVH-NOSP-NOSP-300	150	P/T+Cam+Telepr	Cam Power <=25W
350'/106m	NKO2SA-S5-R-0-106 CAJLVH-NOSP-NOSP-350	128	P/T+Camera	Any Camera
400'/122m	NKO2SA-S5-R-0-122 CAJLVH-NOSP-NOSP-50 CAJLVH-NOSP-NOSP-400	112	P/T+Camera	Any Camera
450'/137m	NKO2SA-S5-R-0-137 CAJLVH-NOSP-NOSP-450	100	P/T+Camera	Any Camera
500'/152m	NKO2SA-S5-R-0-152 CAJLVH-NOSP-NOSP-500	90	P/T+Camera	Cam Power <=40W
550'/167m	NKO2SA-S5-R-0-167 CAJLVH-NOSP-NOSP-550	82	P/T+Camera	Cam Power <=32W
600'/183m	NKO2SA-S5-R-0-183 CAJLVH-NOSP-NOSP-600	75	P/T+Camera	Cam Power <=25W
650'/198m	NKO2SA-S5-R-0-198 CAJLVH-NOSP-NOSP-650	70	P/T+Camera	Cam Power <=20W

* Requires PS-RM-48-2 option

Fiber Adapter Cables to PT-HP-S5	
CA-RJ45-018	Cable RJ-45 for Ethernet 18"
CA-BNC-BNC-030	Cable BNC Male/Male 30" *2 cables required
CA-PWR-7XLR-002	Cable 48V PS M7XLR 2'

Fiber Adapter Cables to PT-LP-S5	
CA-RJ45-012	Cable RJ-45 for Ethernet 12"
CA-BNC-BNC-018	Cable BNC Male/Male 18" *2 cables required
CA-PWR-7XLR-002	Cable 48V PS M7XLR 2'

Ordering Information	
Model Number	Description
FTS-BS	PT-RM Fiber Base Station *
FTS-M-VCG-L	PT-RM FIBER BS Laser Module**
PTO-RM-FO-GL	PT-RM-1 Fiber Option
FTS-FBAS-VCG	Pan/Tilt Head Slim Fiber Adapter
OCON-PP-X-NOSB-ST1	Opticon Cable Duo Chassis***
CA-PWR-OCON-3	Opticon Cable Power, 3 FT

*Fiber module not included

** Order one (1) module (up to 4 modules per Base Station) per fiber link.

***X represents quantity per box (up to 4 per box set)

Specifications	
Ethernet Standards:	Copper: 100 Base-TX Fiber: 100 Base-FX
Video Standards: (auto-selectable)	SD SDI: SMPTE 259M 270 Mb/s HD SDI: SMPTE 292M 1.5 Gb/s 3G SDI: SMPTE 424M 3.0 Gb/s
Genlock	SD Sync: NTSC or PAL black burst bi-level, 300mV HD Sync: SMPTE 274 M, 296 M tri-level, 600 mV p-p
Physical Connectivity	Fiber: SM Duplex LC(-PC) Connector Video: BNC Genlock: BNC Ethernet: RJ45
Operating Distance	1 km over 9/125 μ m single-mode optical fiber
Operating Temperature	32° to 104° (0° to 40°C) Non-Condensing
Storage Temperature	-4° to 104° (-20° to 60°C)
Overall Dimensions	FTS: 19" vb x 7.75" D X 1.75" H FTS-FBAS-VCG: 4.75" W X 1.87" D X 7.0" H
Weight	FTS-BS: 3.5 lb FTS-FBAS-VCG-L: 2.5 lb

Specifications and features subject to change without notice