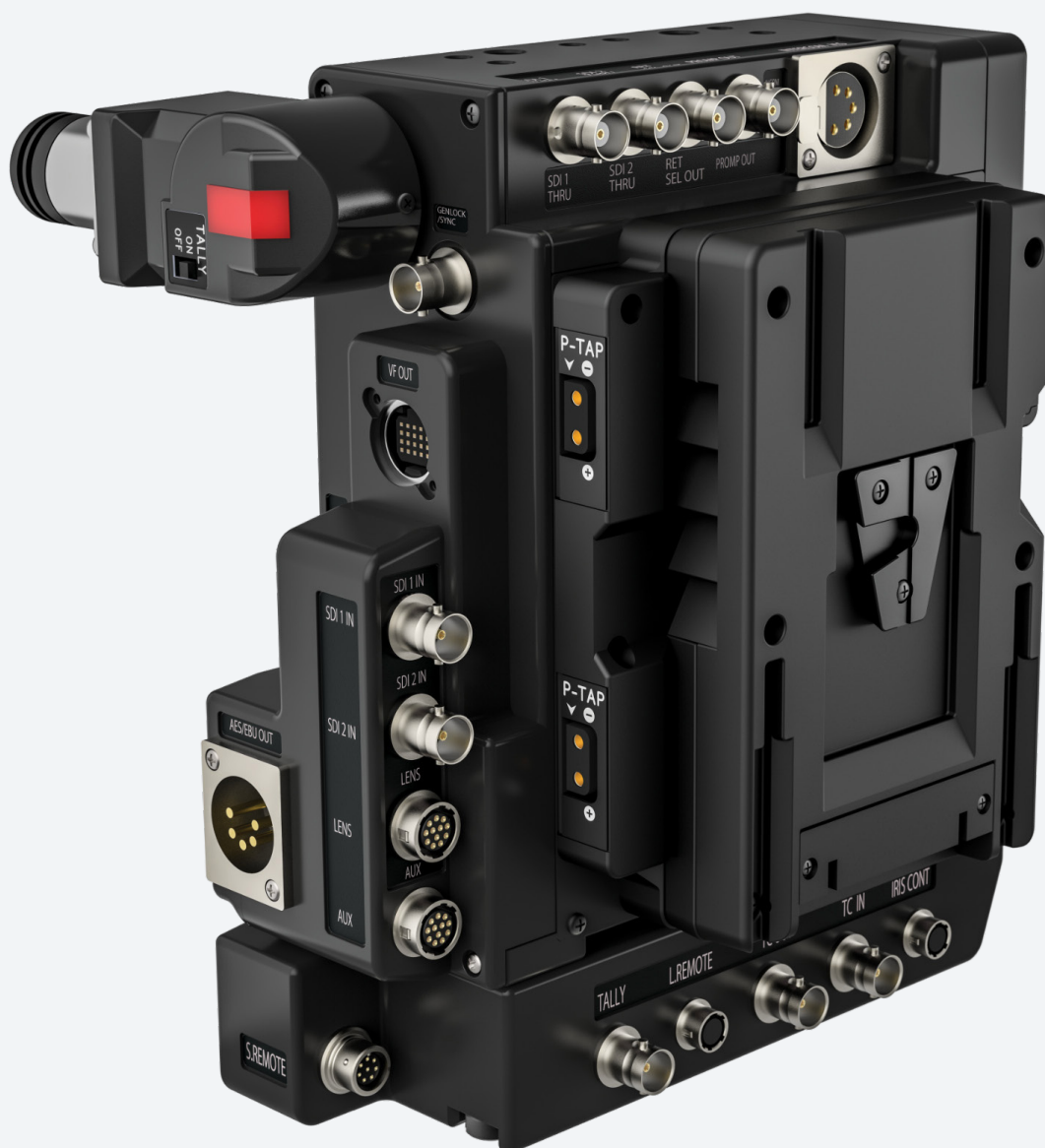


UNIVERSAL CINE / LIVE MULTICAM SYSTEM

Polaris

ZERO-DELAY FIBER. BROADCAST-GRADE CONTROL.



POWER, VIDEO, AUDIO, DATA, SYNC AND COMMUNICATIONS

A universal fiber camera system engineered for live cinema and multicamera production.

Broadcast-grade technology.

Effortless setup.

Polaris makes every connection behave like a familiar copper cable - plug in, power up and operate. No protocol translation or operator retraining is required.

CAMERA ADAPTER**BASE STATION****300W**

power delivery at up to 1 km

12G-SDI

two camera inputs

2 x RET

reclocked return feeds

2 x 1GbE

integrated network hub

FIBER SIGNAL TRANSMISSION: APPROX. 2 KM / 1.25 MILES MAXIMUM

1 All signals, one fiber link

Video, audio, control, sync, intercom and power move together without compression or added delay.

2 Multi-brand by design

A common broadcast workflow for ARRI, Canon, Fujinon, RED and Sony camera systems.

3 Comprehensive connectivity

12G-SDI, LAN, Genlock, timecode, analog/digital audio, RS-232C and RS-422 are supported natively.

4 Accessory-ready

Power and control viewfinders, tally, monitors, intercom and lighting through familiar connectors.

5 Modular expansion

Add-on panels for intercom, timecode and Sony remote integration attach cleanly beneath the unit, keeping real-world rigs compact and serviceable.

Control every signal. Communicate without delay.

TACTILE OPERATOR CONTROL



Familiar broadcast operation

A physical control panel places return select, tally, lighting, dual-channel intercom and program audio under the operator's fingertips. The layout mirrors conventional broadcast cameras, so crews can work by feel.

SUPPORTED CAMERA ECOSYSTEM

ARRI | CANON | FUJINON | RED | SONY



SONY RCP

Native 8-pin control



DUAL 1GbE

Integrated network hub



VIEWFINDER

Dedicated 20-pin output



LENS + AUX

Conventional connectors

Zero-delay analog audio & intercom

Connect full-size 2W or 4W intercom systems directly - no adapters or digital conversion required. Program audio and communications cross the fiber link without compression or added latency. With a Clear-Com 2W system, Polaris automatically supplies beltpack power.



2W + 4W

NO CONVERSION

NO ADDED DELAY

BELTPACK POWER

Technical specifications

Camera Adapter and Base Station

FUNCTION	CAMERA ADAPTER	BASE STATION
VIDEO INPUT / OUTPUT		
SDI 1-2	IN: BNC x2 (12G/3G/HD/SD-SDI)	OUT: BNC x2 x2; two outputs per channel (12G/3G/HD/SD-SDI)
SDI return	RET 1-2 OUT: BNC x1 x2 (12G/3G/HD/SD-SDI)	RET 1-2 IN: BNC x1 x2 (12G/3G/HD/SD-SDI)
Reference	REF OUT: AUX x1 (bi-level / tri-level)	REF IN: BNC x1 (bi-level / tri-level)
Timecode	TC IN: AUX; TC OUT: AUX	TC IN: BNC x1; TC OUT / THROUGH OUT: BNC x1
VF output	20-pin x1 for PROTECH VF	-
PROMPTER		
Teleprompter	PROMPT OUT: BNC x1	PROMPT IN: BNC x1
DC POWER		
DC input	Via OPT cable; XLR 4-pin adapter x1; V-Mount battery	DC IN: XLR 4-pin male x1
DC output	V-Mount 15 V; CAMTAP female x2, 15 V / 3.5 A max.	Via fiber to Camera Adapter; DC 15 V output, 2 A
Maximum output	Approx. 11 A / 170 W	Approx. 300 W
AUDIO		
Audio input	AES/EBU-CA IN 1/2 x1; analog audio-CA IN 1/2 x1 (option connectors)	AES/EBU IN 1/2/3/4: BNC x2; AUDIO-PGM IN 1/2: XLR 5-pin female x1
Audio output	AES/EBU-PGM OUT 1/2: XLR 5-pin x1; analog PGM OUT 1/2 x1 (option connector)	AES/EBU-CA OUT 1/2: BNC x1; AUDIO-CA OUT 1/2: XLR 5-pin male x1
INTERCOM / TALLY		
2W intercom	XLR 3-pin female x1 (Clear-Com compatible)	XLR 3-pin female x1 (Clear-Com compatible)
4W intercom	Headset: XLR 4-pin or 5-pin	DB-25 x1, shared with tally
Tally input	-	DB-25 x1, shared with intercom
Tally output / indicator	BNC x1: green 3.8 V / red 5 V; side red LED with HI / LO / OFF; rear R/G tally	-
REMOTE / NETWORK		
Remote	Lens: Hirose 12-pin x1; remote RS-232C/RS-422 x1; AUX x1; LA option x1	REMOTE 12-pin x1 (RS-232/RS-422); RET SELECT 12-pin x1
LAN	RJ45 x2, 1 Gbps hub	RJ45 x2, 1 Gbps hub
FIBER OPTICS		
Connector	SMPTE 304M: LEMO EDW.3K.93C.TLC	SMPTE 304M: LEMO FXW.3K.93C.TLM
Maximum distance	Approx. 2 km / 1.25 miles	Approx. 2 km / 1.25 miles
GENERAL		
Power requirement	DC 12 V; approx. 20 W max.	AC 85-240 V; DC 12 V; approx. 40 W max.
Operating temperature	0 °C to +40 °C (+32 °F to +104 °F)	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)	-20 °C to +60 °C (-4 °F to +140 °F)
Operating humidity	0% to 95% RH, non-condensing	0% to 95% RH, non-condensing
Weight	Approx. 1.45 kg	Approx. 5 kg
Dimensions (W x H x D)	110 x 156 x 186 mm, excluding protrusions	Approx. 215 x 115 x 388 mm, excluding protrusions