

Vega-R

OPTICAL FIBER CAMERA SYSTEM

SMPTE 304M optical link

Video. Communication. Control. Power.

Connect RED® and production.

Carry camera video, return video, tri-level reference, timecode, intercom, tally, remote control and LAN between camera and production control. DC power is supplied from the base station over optical fiber.

12G-SDI

12G / 3G / HD / SD

1 Gbps

Base-station RJ45 LAN

AC / DC

Base-station power options

VEGA-R CAMERA ADAPTOR

Technical specifications

FUNCTION	CONNECTOR	DETAILS
SDI input	BNC x 1	SDI IN; 12G / 3G / HD / SD
SDI loop output	BNC x 1	SDI OUT / THROUGH OUT; loop-through of SDI input
Return-video output	BNC x 1	RET OUT; 12G / 3G / HD / SD
Timecode output	BNC x 1	TC OUT
Reference output	BNC x 1	GENLOCK; tri-level
Headset intercom	4-pin XLR x 1	INTERCOM H.P
Tally output	BNC x 1	Voltage type: 2-4 V = green; 4.1-5 V = red
Tally indicator	Side panel	Red tally; High / Low / Off switch
AUX	12-pin x 1	RS-422 / RS-232C
L.REMOTE	2.5 mm jack x 1	LANC Remote
LENS	12-pin x 1	Lens IRIS control
LAN	RJ45 x 1	LAN interface
DC input	V-mount x 1	Battery input for DC operation
Camera power output	V-mount x 1	DC 15 V OUT, as listed in the specification table
Accessory power	P-TAP x 2	Panel marking: DC 14 V OUT (MAX. 3.5 A)

GENERAL

Power	12 V DC / approx. 20 W max.
Operating temp.	0 to +40 °C (+32 to +104 °F)
Storage temp.	-20 to +60 °C (-4 to +140 °F)
Humidity	0-95% RH, non-condensing
Weight	Approx. 1.45 kg
W x H x D	110 x 156 x 186 mm, approx. Excluding protrusions

OPTICAL LINK

Standard	SMPTE 304M
Connector	LEMO
Distance	Approx. 600 m, as listed for the camera adaptor
DC power	From the base station

Features, design and specifications are subject to change without notice.

VEGA-R BASE STATION

Technical specifications

FUNCTION	CONNECTOR	DETAILS
SDI outputs	BNC x 2	SDI 1 OUT; 12G / 3G / HD / SD-SDI
Return-video input	BNC x 1	RET IN; 12G / 3G / HD / SD-SDI
Reference input	BNC x 1	GENLOCK / SYNC IN; tri-level
Timecode input	BNC x 1	TC IN
4-wire intercom / tally	DB-25 x 1	Shared connector: intercom and tally-signal input
Headset intercom	XLR x 1	4-pin or 5-pin selection
AUX	12-pin x 1	RS-422 / RS-232C
L.REMOTE	2.5 mm jack x 1	LANC Remote
LENS	6-pin x 1	Lens IRIS control
Return-select control	12-pin x 1	RET SELECT; rear-panel label: RET CTRL
LAN	RJ45 x 1	1 Gbps
DC input	4-pin XLR x 1	Male connector

GENERAL

AC power	100-240 V AC
DC power	12 V DC / approx. 40 W max.*
Operating temp.	0 to +40 °C (+32 to +104 °F)
Storage temp.	-20 to +60 °C (-4 to +140 °F)
Humidity	0-95% RH, non-condensing
Weight	Approx. 5 kg
W x H x D	215 x 115 x 388 mm, approx. Excluding protrusions

OPTICAL LINK

Standard	SMPTE 304M
Connector	LEMO
Distance	Approx. 600 m, as listed for the camera adaptor
DC power	To the camera adaptor

* The DC table specifies 12 V; the rear-panel drawing labels the input 15 V. Confirm the supply required for the delivered unit. Timecode ports follow the rear-panel drawing.

Source: supplied Vega-R CA / BS PDF (filename dated 2026-09-09). Features, design and specifications may change without notice.