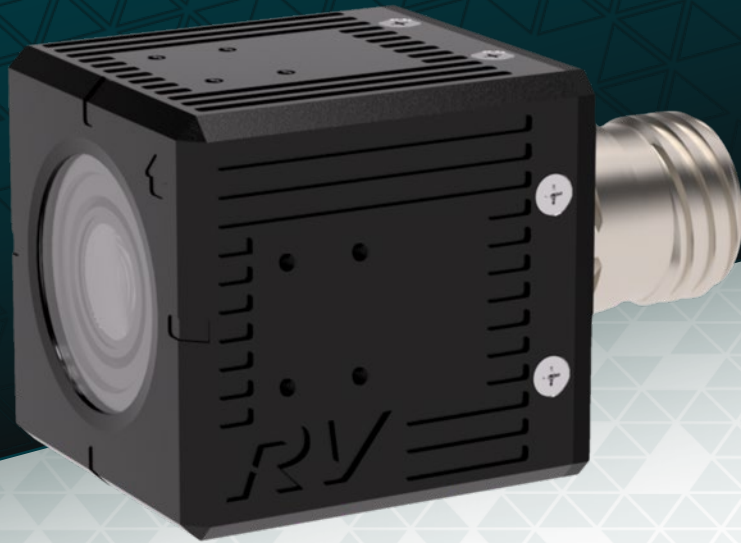




HD39E

1080p H.264 IP Ethernet Camera

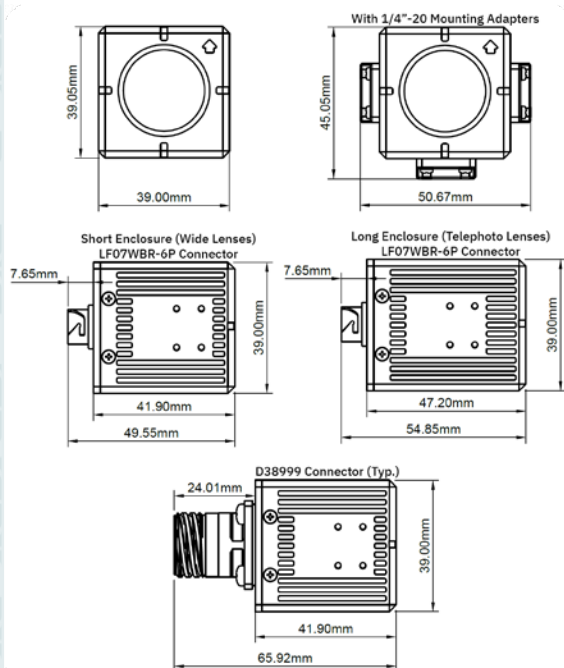
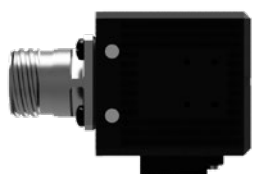
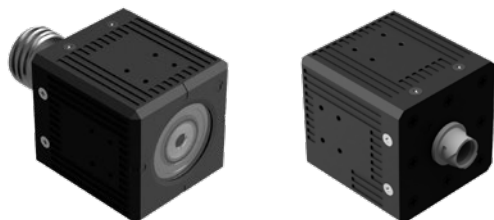
COMPACT | RUGGED | DUAL-STREAMING

HD39E is built for interior/exterior aerospace & military uses including: flight test instrumentation, data acquisition & telemetry, launch vehicle monitoring, de-icing, and more

- Wide input voltage + MIL-STD-704A power input protection
- DO-160 qualified + IP68 waterproof
- Dual streaming w/independent resolution, frame rate, bitrate
- Multiple lens & connector options
- Built-in backup recording
- Extremely compact and lightweight



SPECIFICATIONS



VIDEO

SENSOR	Sony Starvis IMX-327 1/2.8" 2.16MP
IMAGE RESOLUTION	1080p, 720p, 800x600, 704x480/400, 640x480/360, 320x240
FRAME RATE	30, 25, 15, 10, 6, 5, 3, 2, 1 [frames per second]
MIN. ILLUMINATION	0.05 Lux / 0.005Lux (Sens-up)
SHUTTER SPEED	auto/manual: 1/30 - 1/30,000
SIGNAL PROCESSING	adjustable AGC, anti-sat, sens-up, HLC & BLC backlight, 3D digital noise reduction, adaptive contrast enhancement (ACE), WDR, AWB, manual & push-lock WB, saturation, RGB color gains, sharpness, defog, shading, privacy, motion detect, flip, mirror, gamma, configurable day/night, color/B&W, + more effects

NETWORK

VIDEO STREAMING	independent H.264 primary, secondary, & MJPEG streams each stream: frame rate, resolution, bandwidth
H.264 MAIN STREAM	128kb to 20Mb/sec
H.264 SUB STREAM	128kb to 20Mb/sec
H.264 PROFILES	Baseline, Main
M-JPEG STREAM	1Mb to 50Mb/sec
SUPPORTED PROTOCOLS	TCP/IP, UDP/IP, DHCP, ICMP, CGI, HTTP, UPnP, FTP, SMTP, SNTP time stamp, RTSP, RTMP, ONVIF

SETUP / DOWNLOAD

CAMERA CONFIGURATION	built-in HTTP web server & CGI command API
DOWNLOAD RECORDINGS	built-in web interface or FTP

OPTIONS

LENS	standard lens 3.6mm (116° diag) multiple options from 142° to 23° FOV (diag) - factory installed
RECORDING	internal Sandisk Max Endurance MicroSD card, up to 256GB
CONNECTOR	Hirose LF07WBR-6P (power + ethernet) D38999 - multiple options (power + ethernet) custom connector options available
MOUNTING	(16x) M2 machine threads 1/4"-20 machine thread mount adapters (fits all 4 sides) tilt-bracket mount adapter plates avail.

ELECTRICAL INTERFACE

POWER	12-32VDC universal input, 1.4watts typ, 1.8watts max
PROTECTION	MIL-STD-704: reverse polarity, ESD, overvoltage, overcurrent, hot swap, surge protected to 80V+ (up to 1mS surge @ 250V)
NETWORK INTERFACE	10/100 Base-T 4-wire ethernet

GENERAL

OPERATING TEMP	-40 to +75C (-25C with internal memory)
ENVIRONMENT/QUALIFICATION	DO-160 tested + IP68 Waterproof
DIMENSIONS	39mm x 39mm x 41.9mm (47.2mm telephoto lenses)
WEIGHT	~3-4oz
ENCLOSURE	machined, anodized aluminum exterior 1.5mm thick sapphire window

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