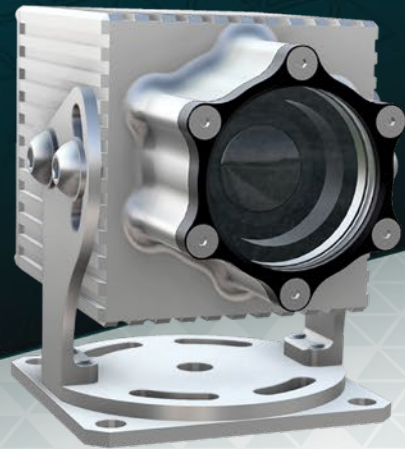




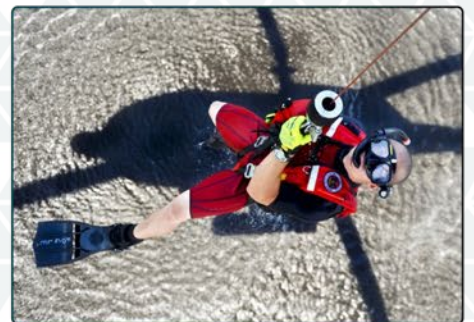
HDZ

1080p ZOOM HOIST CAMERA FOR AIRBORNE OPERATIONS SUPPORT

3G-SDI + COMPOSITE | OPTICAL ZOOM LENS | WATERPROOF

Designed specifically for airborne operations support, HDZ is robust, easy to use, and of course, it's Rugged.

- IP-67 rated waterproof
- Dual video outputs: 1080p60 3G-SDI + RS-170 NTSC/PAL
- Optical zoom lens for long *and* short-line work
- Pushbutton camera zoom controller with MS25212 rail mount, surface mount, and handheld options
- Compatible with all Garmin MFD Displays
- Machined, 2-axis adjustable mount bracket with tube and contour mount options



SPECIFICATIONS

VIDEO

VIDEO OUTPUTS	1x 3G-SDI (SMPTE 424M) / HD-SDI (SMPTE 292M) 1x RS-170 Composite NTSC/PAL
IMAGE RESOLUTION / FRAME RATE	configurable up to 1080p60
SENSOR	Sony Starvis IMX327 CMOS
MIN. ILLUMINATION	0.01lux (color), 0.005 lux (B&W)
SHUTTER SPEED	1/30 - 1/50,000 auto / manual
MENU FEATURES	WDR, white balance, backlight, sens-up, AGC, adjustable day/night mode, 2DNR, 3DNR, flip, rotate, mirror, reticle, text overlay (fixed), defog, privacy mask, DIS, digital zoom, + many more features
LENS	2.7mm to 12mm F1:1.3 IR powered optical zoom + autofocus
FIELD OF VIEW	140° to 30° FOV (diag)

CONTROL

OSD MENU & ZOOM	joystick-on-cable controller (comes standard)
ZOOM/FOCUS CONTROL	optional advanced zoom/focus/cust. fn. controller
DIGITAL INTERFACE	RS485 control protocol for custom applications

ELECTRICAL

POWER	10-32VDC universal input, 1.8watts max
CABLING	cabling built-to-spec
*CONNECTORS	video: TNC power/control: Hirose LF07WBR-6P *available single connector option

GENERAL

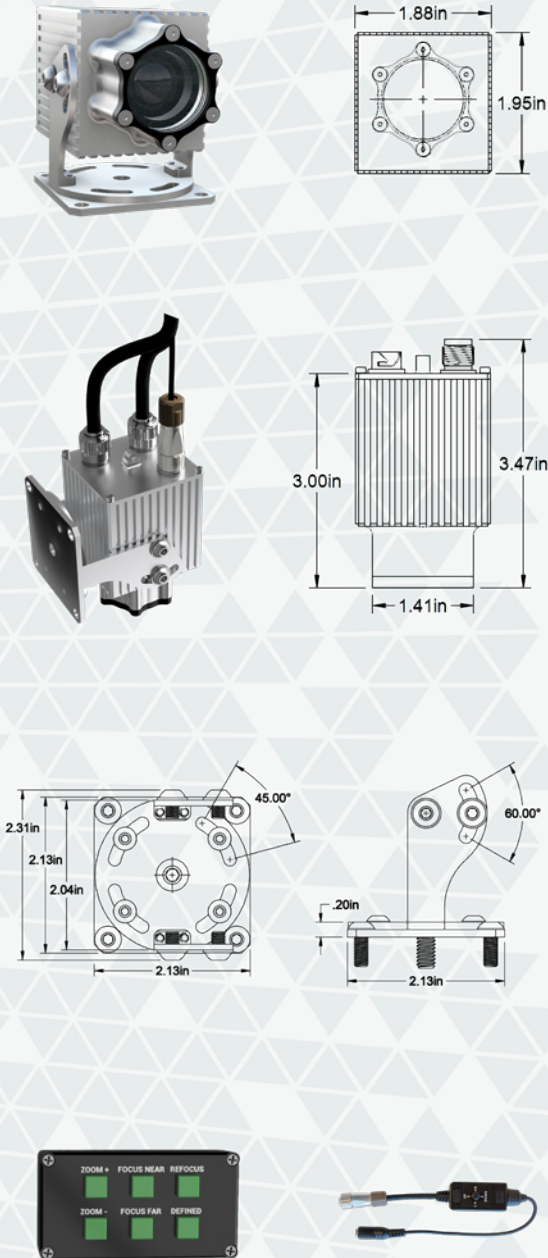
OPERATING TEMP	-40 to +75C
DIMENSIONS	47.8mm x 49.5mm x 88mm
WEIGHT	5 oz
ENCLOSURE	machined aluminum unibody w/sealed aluminum endplates
IP RATING	IP67 waterproof

MOUNTING

MOUNTING THREADS	(2x) 1/4" -20 machine threads (4x) 10-32 machine threads
STANDARD ADJUSTABLE BRACKET	2-axis adjustable bracket (60° pitch, 45° yaw) (comes standard)
CONTOUR BRACKET	tubing / contoured surface kit

ADVANCED CONTROLLER

POWER	7-32VDC universal input, 1.8watts max
CONNECTORS	Hirose LF07WBR-6P connector (power + RS-485) Hirose LF07WBR-6S connector (secondary power input)
ENCLOSURE OPTIONS	MS25212 DZUS rail-mount, surface mount, free/handheld
INTERFACE	NVIS-friendly backlit pushbuttons w/1.5mm travel
FUNCTIONS	zoom+, zoom-, focus near, focus far, one-shot refocus, defined/custom function



Rugged Video, LLC
W66N205 Commerce Ct
Cedarburg, WI 53012 USA

Phone: 262-208-8782
E-mail: sales@ruggedvid.com
Web: <http://ruggedvid.com>

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