

HD CUBE

29mm HD-SDI Cube Camera

APPLICATIONS:

ROTORCRAFT
FIXED WING
NAVAL VESSELS
FLIGHT TRAINING
FLIGHT TESTING
INSTRUMENTATION
AERIAL FIREFIGHTING
MISSION RECORDING
AERIAL INSPECTION
BROADCAST
SECURITY
CCTV

FEATURES:

HD 1080p
ADJUSTABLE SETTINGS
MULTIPLE LENS OPTIONS
MOUNT OPTIONS
AVAILABLE BURN-
PROOF CABLE
SMALL & LIGHTWEIGHT



- 2.80 Megapixel, 1/2.8" Sony Exmor Color CMOS sensor
- Full HD: 3G-SDI/HD-SDI 1080p60/p30 camera
- OSD controller built into the camera body
- Noise and vibration reduction
- 7 lens options, from 20 to 130 degrees FOV
- Manual Zoom Varifocal Lens optional - up to 50mm
- C/CS Lens adapter included
- Adaptive Color & Contrast Enhancement

The HD Cube Camera is a versatile platform suitable for many applications ranging from aviation to CCTV. Full HD 1080p60 and 3G-SDI makes it one of the smallest high-quality cameras on the market that can use varifocal lenses. The Cube Camera pairs excellently with any HD digital recorder including the Airknight HD.

Custom length video/power cable in single shielding is available for the HD CUBE Quick Disconnect.

SPECIFICATIONS

LENS OPTIONS:

2.9mm
3.6mm
4.0mm
6.0mm
8.0mm
12.0mm
16.0mm
2.9 – 12mm VARIFOCAL
5.0 – 50mm VARIFOCAL

INCLUDES:

29mm HD-SDI CUBE CAMERA
CS LENS ADAPTER
LENS OPTION
3G/HD-SDI VIDEO OUTPUT
LOCKING POWER CABLE
UNIVERSAL MOUNT

PART NUMBER(S):

BW-CAM-HDCUBE29
BW-CAM-HDCUBE29QD

CAMERA

IMAGING DEVICE	1/2.8" SONY EXMOR CMOS SENSOR
SCANNING SYSTEM	PROGRESSIVE/INTERLACED SELECTABLE
TOTAL PIXELS	1952(H) x 1116(V), 2.18 MP (FULL HD)
EFFECTIVE PIXELS	1920(H) x 1080(V), 2.07 MP (FULL HD)
LENS (DEFAULT)	3.6mm C/CS LENS
MIN. ILLUMINATION	0.2LUX @ F1.2 / B/W: 0.01 @ F1.2
ELECTRONIC SHUTTER	1/30 ~ 1/50,000 SEC - AUTO / MANUAL
S/N RATIO	MORE THAN 50DB

VIDEO

VIDEO OUTPUT	3G-SDI, HD-SDI
RESOLUTION	1080i60/50, 1080p60/50, 1080p30/25, 720p60/50, 720p30/25
OSD REMOTE	BUILT IN

OSD MENU

LANGUAGES	ENGLISH, CHINESE, CHINESE(S), JAPANESE
LENS	DC / MANUAL
EXPOSURE	BRIGHTNESS / AGC / SHUTTER MODE & SPEED / SENS-UP
WHITE BALANCE	AWB / ATW / PUSH LOCK / MANUAL
WDR/BLC/ACE	OFF / WDR / BLC / ACE
DAY & NIGHT	AUTO / EXT / COLOR / B & W
IMAGE	SHARPNESS / COLORLEVEL / MIRROR / FLIP / LENS SHADING / GAMMA / D-ZOOM / DEFOG
SPECIAL	PRIVACY / MOTION / DIS
SYSTEM	SDI OUT / FORMAT / FREQ / CVBS OUT / LANGUAGE / CAM TITLE

POWER

CONNECTOR	2.1 x 5.5mm DC SOCKET (HRSS-LF OPTIONAL)
REQUIREMENTS	+12 – 24VDC (±10%)
CONSUMPTION	2.3W (1080p/30fps) – 3.3W (1080p/60fps)

PHYSICAL

DIMENSIONS	29 x 29 x 29mm (CONNECTOR & C/CS MOUNT EXCLUDED)
WEIGHT	40g

ENVIRONMENTAL

OPERATING TEMP.	20°F ~ 122°F (-5°C ~ +50°C)
STORAGE TEMP.	-4°F ~ 140°F (-20°C ~ +60°C)
HUMIDITY	LESS THAN 80%