



BAD WOLF
TECHNOLOGIES

APPLICATIONS

Rotorcraft
Fixed Wing
Naval Vessels
Flight Training
Flight Testing
Instrumentation
Aerial Firefighting
Mission Recording
Aerial Inspection
Broadcast
Security
CCTV

FEATURES

HD 1080p60
Adjustable Settings
Lens Options
Mount Options
Waterproof IP67

HD NANO

19mm HD-SDI/CVBS Bullet Camera



- 2.16 Megapixel, 1/2.8" SONY CMOS IMX327 sensor
- 3G-SDI/HD-SDI/EX-SDI 3.0, RS170/CVBS PAL & NTSC
- 1080p50/60/25/30, 1080i50/60/25/30, 720p50/60/30/25
- Simultaneous High Definition & Composite outputs
- OSD controller built into the camera harness (default)
Optional OSD+RS485 and non-OSD harnesses available
- Waterproof to IP67
- Lens options, from 20 to 130 degrees FOV

Bad Wolf Technologies HD Nano 19mm is the smallest "micro bullet" style camera available on the market today. The HD NANO supports HD resolution up to 1080p60, yet it still is capable of outputting CVBS (analog) NTSC/PAL signal at the same time. This tiny powerhouse is suitable for use in UAV, Aviation, Defense, Automotive, Industrial, Surveillance, Medical and other applications equally well.

Using the most advanced technology on the market, the HD Nano bullet camera outperforms the competition many times its' size. Custom length multicore cable in single shielding is available for the HD Nano Quick Disconnect.



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LENS OPTIONS:

- 2.9mm
- 3.6mm
- 4.0mm
- 6.0mm
- 8.0mm
- 12.0mm
- 16.0mm

PART NUMBER(S)

- BW-CAM-HDNANO
- BW-CAM-HDQD19

SPECIFICATIONS

CAMERA

IMAGING DEVICE	1/2.8" SONY CMOS IMX327, EYENIX DSP
SCANNING SYSTEM	PROGRESSIVE AND INTERLACED
TOTAL PIXELS	1945(H) x 1109(V): 2.16 MP
EFFECTIVE PIXELS	1945(H) x 1097(V): 2.13 MP
LENS (DEFAULT)	3.6mm MTV BOARD MOUNT LENS
MIN. ILLUMINATION	0.0017LUX@F2.5, 30IRE
SYNC SYSTEM	INTERNAL
ELECTRONIC SHUTTER	60HZ: 1/30 ~ 1/30,000 SEC - AUTO 50HZ: 1/25 ~ 1/30,000 SEC - AUTO

VIDEO

VIDEO OUTPUT 1	3G-SDI, HD-SDI, EX-SDI 3.0
VIDEO OUTPUT 2	RS170, CVBS NTSC/PAL – 700TVL
RESOLUTION	1080i60/50/25/30, 1080p60/50/30/25, 720p60/50/30/25
OSD REMOTE	BUILT IN (OPTIONAL RS485+OSD & NON-OSD AVAILABLE)

OSD MENU

LANGUAGES	ENGLISH, CHINESE, CHINESE(S), JAPANESE, KOREAN, RUSSIAN
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 (HIROSE HRSS-LF, MIL-DTL, CUSTOM OPTIONAL)
REQUIREMENTS	+12VDC (±10%)
CONSUMPTION	MAX 150mA @ +12VDC

PHYSICAL

DIMENSIONS	19 x 56mm
WEIGHT	68g

ENVIRONMENTAL

OPERATING TEMP.	14°F ~ 122°F (-10°C ~ +50°C)
STORAGE TEMP.	4°F ~ 140°F (-20°C ~ +60°C)
HUMIDITY	LESS THAN 80%
WATERPROOF	IP67 STANDARD (WATER/WEATHER/DUSTPROOF)