illustra
From Tyco Security Products

Standard
2 MP IR Dome Camera

Features That Make a Difference:

- 1/2.8" Progressive Scan CMOS
- Triple Stream
- 2.8 – 12mm Motorized Varifocal Lens
- 120dB WDR
- 3D DNR
- Up to 30m IR range
- DC12V/PoE
- IP67
- IK10

The Illustra Standard IR Dome Camera by American Dynamics comes with a Varifocal lens and has several intelligent functions in-built for high-quality video surveillance. Additionally, this Full HD Camera Model ISS02DN1NWIT comes with a rich feature-set that includes 120dB WDR, PoE, and 3D DNR to meet a wide variety of Video Surveillance applications.

Superior IR Performance
An in-built IR covering up to 30 meter range provides high quality colored images in low light conditions.

Camera Function
The resolution of the Camera is 1920 × 1080 @25/30fps. It supports H.265/H.264/MJPEG video compression and Basic/Main Profile H.264 encoding complexity.

In backlight situations, the camera supports 120 dB WDR and Back Light Compensation.

Built-in Intelligence
With a host of intelligent features and functions, the camera makes video surveillance easy for security professionals.

Intelligent Detection includes comprehensive features such as Line crossing detection, intrusion detection, unattended baggage detection, object removal detection and Face detection.

ONVIF Support
The Camera supports the ONVIF (profile S & profile G) protocol, Video Stream Recording, live view at different resolutions and bitrate configuration options.

Ideal for Outdoor Applications
Ingress Protection is at the IP67 level with anti-thunder, anti-surge, anti-static protection that makes this camera ideal for Outdoor Video Surveillance applications. The camera housing is also rated for IK10.
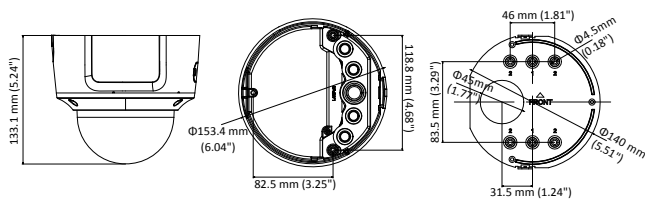
Specifications

Camera

Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR Color: 0.006 Lux @ (F1.4, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s, Supports Slow Shutter
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°

Lens

Focal length	2.8 to 12 mm
Aperture	F1.4
Lens Mount	Ø14

IR

IR Range	Up to 30 m
Wavelength	850nm

Compression Standard

Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265+/H.265/H.264+/H.264/MJPEG Third stream: H.265+/H.265/H.264+/H.264
H.264 Type	Main Profile/High Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G722.1/G711ulaw/G711alaw/G726/MP2L2
Audio Bit Rate	32 to 128kbps

Built-in Intelligence

Behavior Analysis	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, Face Detection
Region of Interest	Support 1 ROI per stream

Image

Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)
Sub Stream	50Hz: 25fps (640 × 360, 352 × 288) 60Hz: 30fps (640 × 360, 352 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280×720, 640 × 360, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280×720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness
Day/Night Switch	Auto/Schedule/Triggered by Alarm

Network

Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error, Alarm input, Alarm output
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General Function	One-key reset, anti-flicker, three streams, heartbeat, password protection, privacy mask, watermark, IP address filter
Onvif	PROFILE S & PROFILE G
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User

Interface

Audio	1 input (line in, 3.5 mm), 1 output(3.5 mm), single track
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Alarm	1 input, 1 output (max. 12 VDC, 30 mA)
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 encoding supports

Audio

Environment Noise Filtering	Support
Audio Sampling Rate	16 kHz

General

IR Range	Up to 30 m
Regulatory	UL, CE, FCC
Operating Conditions	Temperature: -30 °C to +60 °C (-22 °F to +140 °F) Humidity: 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, PoE (802.3af)
Power Consumption and Current	12 VDC, 0.75A, max. 9.5W PoE (802.3af, 37V to 57V), 0.3A to 0.1A, max. 11W
Protection Level	IP67, IK10 TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection
Dimensions	Ø153.4 × 133.1 mm (Ø6.04" × 5.24")
Weight	1287 g (2.84 lb.)

Dimensions

133.1 mm (5.24")
Ø153.4 mm (6.04")
82.5 mm (3.25")
118.8 mm (4.68")
46 mm (1.81")
Ø4.5mm (0.18")
Ø45mm (1.77")
83.5 mm (3.29")
Ø140 mm (5.51")
31.5 mm (1.24")

Ordering Information

SKU No.	Description
ISS02DN1NWIT	2 MP IR Dome with 2.8-12mm varifocal zoom lens

Related Products

VideoEdge

victor

exacqVision

Approvals

www.tycosecurityproducts.in