

# IP Video Surveillance Systems

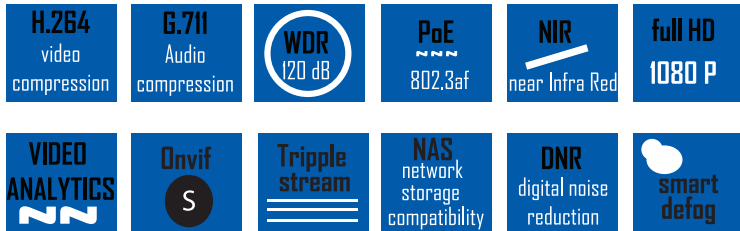
## 2 MP PoE Box Network Camera



### CT- 320 20M 71 WB

#### Introduction

CAMETRON CT- 320 20M 71 WB is the full HD 1920 x 1080 IP CCTV camera with the resolution of 2.0 Mega Pixels. The unit is designed for the variety of applications and owing to the built-in WDR function, this Camera can be used for variety of the indoor & outdoor applications to produce the crystal clear videos of our choice. The Near Infra Red (NIR) technology helps to boost the image and video quality especially in the dark as well as low light conditions, hence the clear images are transmitted without the loss of details. The special electrical circuitry makes the unit highly stable for the locations or applications with power fluctuations with the surge and lighting protection upto 2000V.



#### Product Features

- H.264 /MJPEG video compression technology
- G.711/AAC/ADPCM audio compression technology
- Resolution upto 1920X1080
- Full HD 1080P Video
- Near Infra Red function
- Wide Dynamic Range
- 3D Digital Noise Reduction
- High Light Compensation
- Power on Ethernet
- Tripple Streams (main, sub & third)
- NAS network storage compatible
- Onvif - Profile S
- Video analytics (tripwire & perimeter detection)
- Smart defog function
- TVS 6000 Lightning / Surge 2000V Protection
- Compatible with Observer 32, 64,128
- Smartphone applications Android observer
- Ultra Low Illumination 0.002 Lux F1.2, AGC ON
- USB Extension

#### Full HD 1080P Video

CAMETRON CT- 320 20M 71 WB IP CCTV Box cameras are capable of capturing video surveillance footage at 1080p resolution (1920 x 1080 pixels). The video and pictures are super high resolution with zero loss of the details.

#### Compression Technology

H.264 video compression technology is the main video compression technique used in this type of camera series with M-JPEG for the pictures hence both video & Still images are captured and recorded with full details.

#### Tripwire Detection

Tripwire detection is used to define a virtual line within the camera view where an alert can be generated if an object is detected crossing the line. This way the user is able to configure the direction from where objects traveling across the tripwire to enable the triggering of an alarm.

#### Wide Dynamic Range (WDR)

WDR function helps to differentiate the scenarios in which stark contrasts and differences in darkness and brightness within the same image view is must. The unit supports the WDR at 120dB hence clear elimination of dark zones and all related errors

#### Near Infra Red (NIR)

NIR ( Near Infra Red ) is typical feature used in the Cametron professional CCTV Day & Night cameras. This feature allows the IP CCTV cameras to use the illumination via LED or ZLID laser source to provide their own illumination to see the scences clearly in zero light conditions.

#### Perimeter Detection

It helps to easily identify the potential intruders automatically when they approach the fence line of particular range, hence makes the system to be a solution for primary warning & key deterrent. This function can be used as Perimeter Intrusion Detection.

#### Softwares Supported

CAMETRON CT- 320 20M 71 WB IP CCTV Box cameras are compatible with all major softwares & devices as the unit is Onvif ( S ) compliant. The unit comes with the basic software \*Observer 32 for 32 Channels & can be upgraded to \*Observer 64 for 64 Cameras if needed. The unit is compatible with \*Observer Smart applications , hence accessible by the smartphones, the applications are available at Appstore & Android store



#### Onvif S

This profiles allow users to easily identify specific interoperable features hence simplifies the concept of interoperability and the management of conformant products, and it addresses common functionalities.

#### Back Light Compensation (BLC)

Provides four different variations of BLC windows for extended application use. Its ability to handle most high contrast scenes allows for a seamless install with optimal picture quality.



\*Observer is the trademark associated with the Cametron for softwares & related applications

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#### TECHNICAL SPECIFICATIONS

#### CAMERA

Image Sensor	2 MP, 1/2.8" Sony Exmor CMOS
Processor	ARM 9 Architecture
Operating System	Embedded LINUX
Signal System	PAL / NTSC
Mini. Illumination	Color 0.05 Lux @(F1.2, AGC ON) B/W 0.01Lux @(F1.2, AGC ON)
Shutter Speed	1/25s ~ 1/100000S
Lens Interface	C / CS
Day & Night	IR cut filter with Auto Switch
WDR	100 dB
DNR	3D DNR

#### COMPRESSION

Video	H.264/MJPEG
Bit Rate	32K ~ 16Mbps
Audio	G.711A/G.711U/ADPCM/AAC
Bit Rate	8K ~ 48Kbps

#### IMAGE

Resolution	1920x1080 (max)
Frame Rate	PAL 25fps (1920 × 1080), 25fps (1280 × 720) NTSC 30fps (1920 × 1080), 30fps (1280 × 720)
Triple Stream	Mainstream 1080P(1920 x 1080) Substream D1 (704 x 576) 3rd stream CIF (352 x 288)
Settings	Brightness, Saturation, Contrast, Flip Mode Adjustable by Client Software or Web Browser
HLC	Yes
Smart Defog	Yes
Corridor	Yes
EIS	Yes
ROI	4 zones
Privacy Mask	4 zones
Picture Overlay	200 × 200, BMP 24bit, Zone Configurable

#### NETWORK

Browser	IE8~IE11, Chrome 30, Firefox 24
Network Storage	NAS
Video Analytics	Tripwire / Perimeter
Alarm Trigger	Motion Detection/IP Conflict/ MAC Conflict/Port Alarm
Protocols	TCP/IP/ICMP/HTTP/HTTPS/FTP /DHCP/DNS/DDNS/RTP/RTSP/ RTCP/PPPoE/NTP/UPnP/SMTP/ SNMP/IGMP/802.1X/QoS/IPv6/ Bonjour
User Permission	4 Level / 8 users
Remote Connection	2-ch Access
Compatibility	ONVIF (Profile S, Profile G), SDK

#### INTERFACE

Audio Input	1Ch
Audio Output	1Ch
Communication	1Ch RJ45 10M / 100M Ethernet Interface ,RS485
Alarm Input	1 Ch
Alarm Output	1 Ch
Video Output	1Vp-p Composite Output (75Ω/BNC)
On-board Storage	Built-in Micro SD/SDHC/SDXC Card Slot, up to 64 GB
Extension	-

#### GENERAL

Operating Temperature	-35 C~65 C,
Operation Humidity	0~95% RHG
Power Supply	DC 12V ± 10% / AC24V±10%/
PoE	802.3af
Power Consumption	DC12V: 5WAC24V: 7.5W
Protection	TVS 6000V, Lightning/ Surge 2000V
Dimensions (in mm)	145 × 71 × 58
Weight (camera)	600g
Weight (Gross)	800g

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SOFTWARES & AFFILIATIONS

## SOFTWARES

Observer 32	32 Channel VMS basic Software Package
Observer 64	64 Channel VMS basic Software Package
Observer 128	128 Channel VMS basic Software Package
Observer E	256 Channel VMS entry Software Package
Observer P	256+ Channels VMS professional Software Package



## COMPLIANCE



## AFFILIATION



## Ordering Information

CAMETRON CT- 320 20 M 71 WB	2.0 Megapixel, Full HD, Wide Dynamic Range, PoE, Box Network Camera
CAMETRON CT- 320 20 M 72 B	2.0 Megapixel, Full HD, Digital Dynamic Range, PoE, Box Network Camera

## Registered Office

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