

# NBF233P

Full HD 2-Megapixel at 60 fps,  
Intelligent Auto Back Focus,  
Extreme WDR with Multi Shuttters,  
Ultra Low Light, Smart ICR  
Box Network Camera



## Why DivioTec?

DivioTec's aim is to transcend the capabilities of the human eye and deliver an entirely new field of view. Our integrative skills and our 20 years of industry experience are constantly driving new innovations.

Our simple, easy-to-use interfaces and our rock-solid security hardware are rapidly earning the respect and confidence of our clients.

We also make a point of listening carefully to our customers' needs, applying what we learn to develop outstanding new products and a culture of exceptional service.

At DivioTec, our experience is your protection.

- 2 Megapixel SONY® Xarina™ & SONY® Progressive Scan CMOS Sensor
- Ultra Low Light, Minimum Illumination: 0.0002 Lux. @ F1.2
- High Frame Rate up to 60 fps @ Full HD 1080P Resolution
- Intelligent Auto Back Focus
- Smart ICR Function Removable IR Filter for Day and Night
- Extreme Wide Dynamic Range with Multi Shutter Enhancement (120dB)
- Advanced Noise Reduction (3D+2D)
- 24/7 10-Profile Smart Schedule Setting
- ROI (Region Of Interest) with Multi Cropping
- Smart Event Functions: Audio Detection, Motion Detection, Network Failure Detection, Tampering Alarm
- Quad Streams Compression: H.264 (Baseline/Main/High Profile)/MJPEG
- Micro SD Card Slot, Alarm I/O, Audio I/O
- ONVIF Protocol

## Specifications

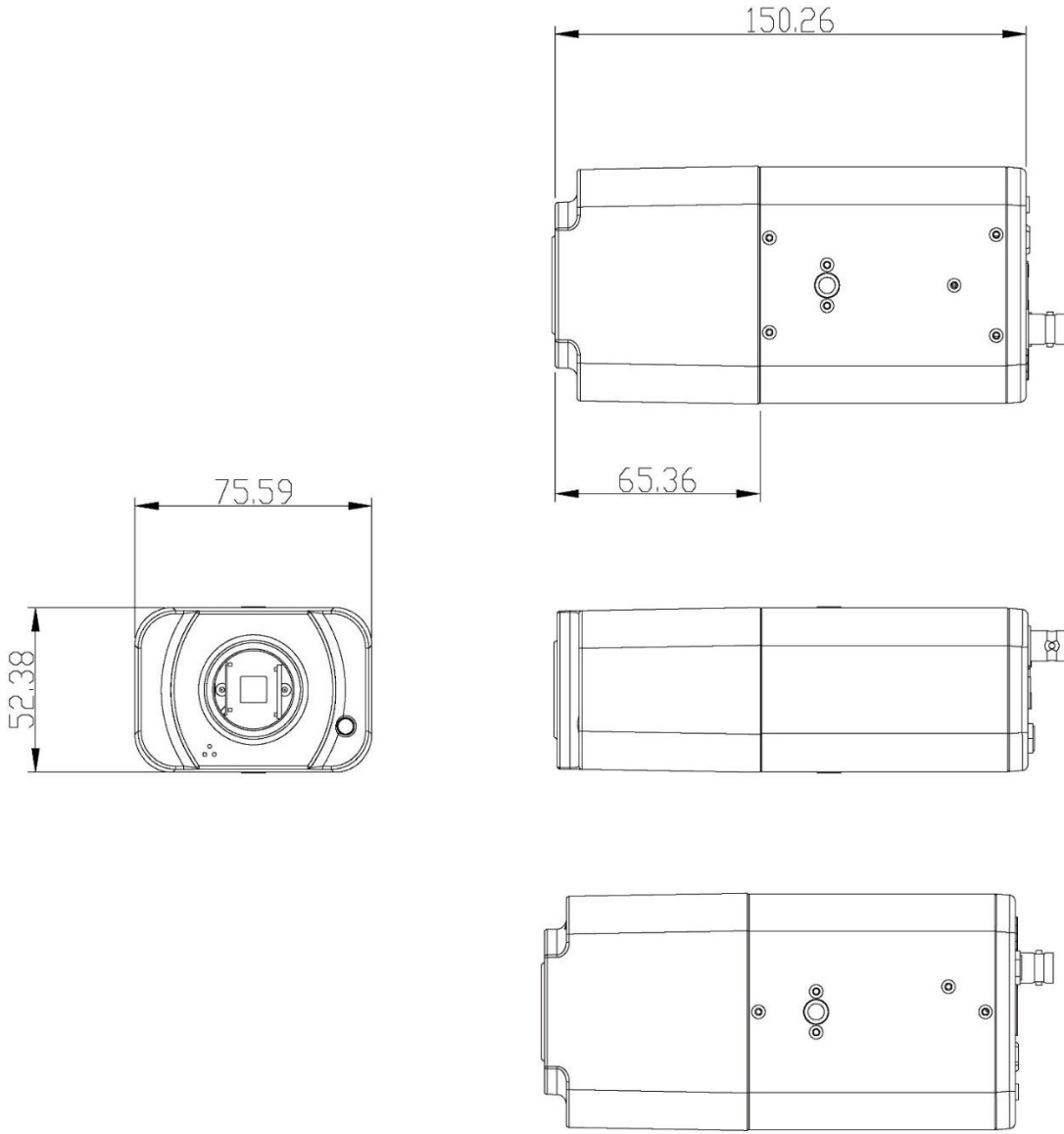
<b>Camera: NBF233P</b>	
Image Sensor	1/1.9" Progressive CMOS
Effective Pixels	1920 (H) x 1080 (V)
Minimum Illumination	Color: 0.002 Lux @ F 1.2; B/W: 0.0002 Lux @ F1.2
Shutter Speed	1/1~1/100,000 sec.
<b>Lens</b>	
Lens Mount	CS Mount
Iris auto adjustment	Yes
Zoom Ratio	16X Digital Zoom
Intelligent Auto Back Focus	Auto/Manual, up to 128 Steps
<b>Image Setting</b>	
Backlight Compensation	On/Off
White Balance	Auto/ATW/Indoor/Outdoor/Manual
Noise Reduction	3DNR + 2DNR: Off/3 Level Sensitivity
Wide Dynamic Range	Extreme WDR with Multi Shutters (120dB)
Exposure Mode	Auto/Manual
Shutter Mode	Auto/Manual
Gain Control	Auto/Manual Max Gain 72 dB
Picture Adjustment	Brightness/Sharpness/Contrast/Saturation/Hue
Region of Interest (ROI)	4 zones Configurable frame rate and bitrate independent
Privacy Mask	On/Off
Day/Night Function	Auto/Day/Night
Smart Schedule Profile	10 Profiles/10 Schedule 24 x 7/Day Night Sensor Configurable: Shutter Speed, Exposure, Gain, Wide Dynamic Range, Noise Reduction, White Balance, Backlight Compensation, Picture Adjustment: Brightness/Sharpness/Contrast/Saturation/Hue
Motion Detection	On/Off/By schedule, 10 Zones, Motion Level Display Detection Level 1-100, Sensitivity level 1-100 Sampling pixel interval 1-10
Face Detection	On/Off/By Schedule, Sensitivity Level 1-64, Object Size 120 - 960 Pixel
Tampering Alarm	On/Off/By Schedule
Network Failure Detection	On/Off/By Schedule
Periodical Event	On/Off
Digital Image Stabilization	On/Off
Camera System	Selectable: 60 fps/Auto Iris 60 fps/WDR Auto Iris 30 fps/WDR 30 fps

## Specifications

<b>Video</b>	
Video Compression	H.264: Baseline/Main/High Profile, MJPEG
Multi Steaming	Quad Streams: H.264 + H.264 + H.264 + H.264/MJPEG Configurable Frame Rate and Bitrate, Regions of Interest (ROI)
Image Resolution	Full HD 1080P/SXGA/HD 720P/XGA/SVGA/D1/VGA/CIF/QCIF
Maximum Frame Rate	H.264/MJPEG Full HD 1080P @ 60 fps
<b>Audio</b>	
Compression	G.711/G.726
Audio Mode	Two-way Audio: Line-in x 1/Line-out x 1
Audio Detection	On/Off/By Schedule, Detection Level 1-100, Time Interval 0 – 7200 sec
<b>Network</b>	
Interface	RJ-45,10/100/1000 Mbps Ethernet (Giga Ethernet)
Protocol	ARP, IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
Security	HTTPS/IP Filter/IEEE 802.1x; 20 user account/2 level: user/administrator
Local storage	Micro SDXC 64 GB
Bit Rate Control	Constant Bit Rate (CBR)/Variable Bit Rate (VBR) 64-8192 Kbit/s
Support Web Browser	Internet Explorer (6.0+)/Chrome/Firefox/Safari
Event Notification	HTTP/FTP/SMTP
Connectivity	ONVIF Profile S
<b>General</b>	
LED Indicator	Power/Link/ACT
Alarm in/out	Yes; 1 Input, 1 Output
TV out	Yes; BNC 1.0 Vp-p/75 Ω, BNC
Multiple Languages	English/French/German/Italian/Korean/Simplified Chinese/Traditional Chinese/Russian/Spanish/Thai
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Humidity	10% to 90%, No Condensation
Dimension	125 x 82 x 52 mm (L x W x H) w/o Lens
Weight	330 g
Power Source	PoE (IEEE 802.3af)/DC12V
Power Consumption	7.5W
Regulatory	CE/FCC/RoHS



Dimension Drawing



2015-06-02 released.  
The specification of subject are changed without notice.  
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