



SAFE IS THE NEW SMART



2MP Motorised Dome Network Camera

Model: GNCS-DD2M05-WSB (Dazzle Series)



## Application Areas



Airports



Classrooms and Library



Hospitals



Police Stations



Government Office



Hotels

### **Indoor Motorised Dome Camera**

Globus Infocom has been a leading technology provider in Security & Surveillance industry with a brand trust of almost 20 years. The company has been devising innovative and feasible security and surveillance solutions with an aim to address security concerns of organizations and provide them a holistic surveillance of their space. To take quality and reliability a step ahead, Globus Infocom introduces GNCS-DD2M05-WSB Indoor Dome Motorised Camera with 2MP resolution. Designed for unobtrusive and discreet surveillance, Dome Camera make for an easy to install and high- efficient security solution. Our high-end models include remote zoom, ultra-discreet design, high performance even in low light to power any organization's security & surveillance infrastructure at cost efficient prices.

Globus Indoor Dome Motorised Cameras specifically engineered for indoor as well as outdoor surveillance requirements. It offers standardised surveillance features like Triple Stream, AI Video Analytics, High Frame Per Second, Starlight Technology, P-Iris technology and many more for value added applications like round-the-lock surveillance of property, command and control centre, parking management, POS integration, etc.

Globus Indoor Dome Motorised Camera offers great details over an expansive area, be it indoor or outdoor, with the help of its 5x optical zoom and 1/2.7" progressive scan CMOS chip. It delivers high quality performance even in low light conditions, powered by Starlight as well as IR Imaging technology. Enhanced security features like signed firmware and secure boot ensures high-level security of your CCTV data and prevents tampering.

Designed with emphasis on its durability, Globus Indoor Dome Motorised CCTV Cameras are built using robust Metal housing that provides longer operational life and high installation flexibility. Aided by Automatic Varifocal Lens, it allows you to cover a wide area efficiently from remote locations.

Globus Indoor Dome Motorised Camera is completely user-configurable and can perform optimally under any scenario. Laced with a wide range of features, it serves as a crucial part of an organization's safety infrastructure.

#### **Sony Starvis Sensor**



Globus Network CCTV Cameras are engineered with Sony Starvis Sensors, featuring back-illuminated pixel technology, these sensors are deemed to be one of the best-performing imaging technologies in the current market trends. Equipped with this sensor, Globus Network Cameras provide ultimate scenic detail, colour rendition and ultra-low-light performance with Prior Low Noise Circuit" (PLNC) technology for better SNR. It features a sensitivity of 2000 mV or more per 1  $\mu\text{m}^2$  (color product, when imaging with a 706 cd/m<sup>2</sup> light source, F5.6 in 1 s accumulation equivalent) to render razor-sharp images with life-like detailing and colour reproduction. It deploys Multiple HDR filter to further increase the image quality.

#### **P-Iris**

To override the shortcomings of an auto iris, Globus Network Cameras come equipped with P-Iris technology, which provides enhancements in colour, clarity, resolution and depth of field in captured images. Having a good depth of field is important while recording images in outdoor scenarios where objects at different distances are focussed simultaneously. In bright situations, P-Iris limits the complete closing of the iris to avoid blurring of images caused by diffraction of light. It combines the technology of both controlling the Iris and avoiding diffraction to create clear images in outdoor conditions. Globus Network Cameras lens uses a motor that controls the opening of the Iris precisely. Combined with software, it optimises the performance of a lens and the image sensor



#### **90 FPS**



The quality of video and its bandwidth consumption is highly influenced by the frame rate of security camera. Also, the smoothness of image transition is also determined by this parameter. Thus, it is important to decide which frame rate will work best for surveillance requirements. Globus Network Cameras come with a frame rate of 90FPS, producing smooth, lag-free images of moving objects. High frame rate of 90FPS enables users to observe images of fast-moving objects in utmost detail. 90FPS is the ideal frame rate for observing objects in motion especially in cases like fast moving traffic, fast moving crowd, intrusion, etc

**IK10**

Globus range of Network cameras are among the highly protected range of cameras compliant to IK10 standards (EN 62262 and IEC 62262) which means that the camera can be used in applications with high rates of vandalism. In addition, a Security Camera that is IK10 rated will generally withstand a variety of elements better than commercial grade standard Dome or Bullet Style Cameras.

**Super Wide Dynamic Range**

Creating vivid and true colour images even in the most intensely lit conditions is one of the major aspects to look for in CCTV cameras. Ordinary cameras fail to create high quality images when certain parts of the scene are dark while others are too bright. Globus Network Cameras' Wide Dynamic Range uses industry's leading Wide Dynamic Range of 144dB to create high quality images in both bright and low light conditions by balancing the shutter speed for each type of scene. It comes with special chipset combined with well-balanced software that allows the camera to proportionate lighting for one clear and usable image. This feature makes Globus Network Cameras a perfect pick for the outdoor purposes in bright sunlight or dim lighting. It is also ideal for places like entrances where there is a substantial contrast of lighting between the sunshine outside and dim lighting inside.

**Triple Stream**

Globus Network CCTV Cameras support multiple streams allowing a single camera to transmit triple streams at different resolutions, frame rates and codecs. It preserves the client-side bandwidth and processing power providing a wide extensive usage with a single installation itself. Triple streams provide much more flexibility to users by allowing different data streams to be sent simultaneously for smoother video streaming.



Globus Network Cameras support triple streams:

- Primary stream: full resolution
- Secondary stream: low resolution
- Tertiary stream: flexible choice (full, low or dynamic resolution).

**H.265+ Compression Technology**

The optimized version of H.265 compression technology, it uses a scene-adaptive encoding technology, dynamic ROI, intelligent noise reduction, flexible multi-frame reference, etc. to deliver high quality images while utilizing lower bandwidth and storage space. It reduces the bit rate and storage requirements of the recorded videos by up to 70% as compared to its predecessor.

**Starlight Technology**

Powered by Starlight Technology, Globus Network Cameras are designed specifically to perform even under challenging lighting conditions. Our cameras offer astounding light sensitivity, colour rendition even in low light down 0.001 lux. It uses its optical features to balance light throughout the scene and produce coloured images in dark environments. Our cameras produce full colour images in the dark with utmost detail where most of the conventional counterparts switch to monochrome. Aided by Starlight technology combined with other impressive technical specifications, Globus Network Cameras are the ultimate 24x7 surveillance cameras in the market.

**AI powered Video Content Analytics**

The inbuilt AI-powered Video Analytics packs cutting-edge concepts and delivers more efficient, streamlined and hassle-free video assessment. It deploys artificial intelligence to cameras by analysing video content in real-time and fetches suitable inferences. It reliably detects, tracks and analyses object in its field of view and alerts users with preset alarms on incidents. A smart system of alarm rules out false alarms to minimum and makes surveillance from Globus Network Cameras more automated requiring minimal human intervention. Clubbed with features like Advanced motion detection, Camera tampering detection, People counting, Region entrance detection, Region departure detection, Line crossing detection, Loitering detection, Human presence detection, Left Object detection, Object removal detection, etc, Globus AI-Powered Video Analytics makes for a holistic and all-inclusive surveillance solution for every organization's security requirements.



### SIP/VoIP



Globus Network Cameras support the SIP Protocol to enable users to use each camera as an extension on a PBX. This feature enables operators to communicate verbally using the camera itself. It eliminates the need to install a paging system and combines both surveillance and communication into a single package. Owing to its SIP protocol, Globus Network Cameras enable users to make a call and transmit live-view as well as real-time sound to receiver's VOIP telephone in case certain incidents, which is faster and efficient than sending an email. Furthermore, it also reduces the traditional call costs.

### ONVIF G, Q, S, T compliance

Globus Security Systems support ONVIF profiles G, Q, S and T to ensure effective interoperability of our Network Cameras with other industry products. All our IP products are 100% ONVIF compliant and support all the features like video & audio streaming, pan-tilt-zoom control & relay output, site info & configuration, event & alarm management, etc.



### Edge based SD Card Recording

To increase its usability, Globus Network Cameras come with Edge SD Card Recording support. This feature also serves as a saviour during network or server burnouts.

### Audio In/Audio Out

Users can connect microphone and speaker to capture audio, listen live, record audio and talk/or make announcement via Globus Network Cameras using the two-way audio communication feature of the device. This feature allows operators to alert, deter or inform visitors or intruders in case of certain incidents. Recorded audio can also be used as an alarm to deter trespassers and miscreants.

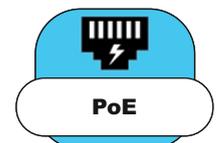


### Alarm In/Alarm Out

For efficient, smart and responsive event management, Globus Network Video Recorders supports Alarm-In and Alarm-Out functionality. This enterprise-level alarm triggering mechanism supports various alarms and alerts in case of specific events. It strengthens users' security and surveillance infrastructure and improves its overall efficiency.

### Power Over Ethernet (PoE)

Power over Ethernet is an efficient way to power cameras with an Ethernet cord and also give them a direct network access. The functionality of PoE makes installation easier and cheaper by requiring only one cable. Unlike other connections, PoE also ensures your network cameras are always connected.



### IP68



This Globus Network Camera is Industrial grade, extremely weather proof, and made of much higher end materials than inexpensive consumer grade cameras. This range of Globus Network Camera is certified to withstand dust, dirt and sand, as well as being resistant to water submersion up to a maximum depth of 1.5 meters for up to thirty minutes and is ideally suited for rugged industrial applications.

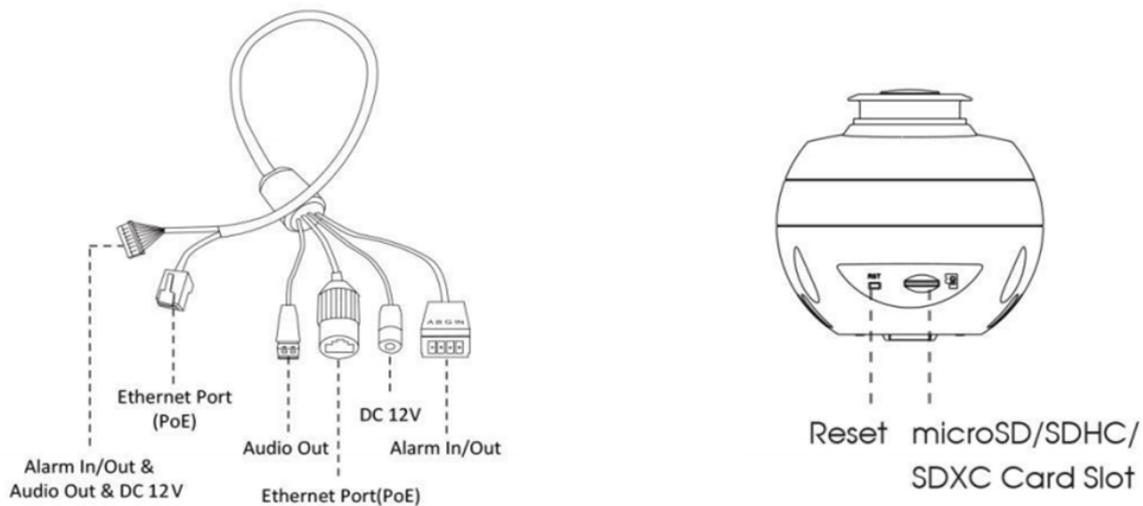
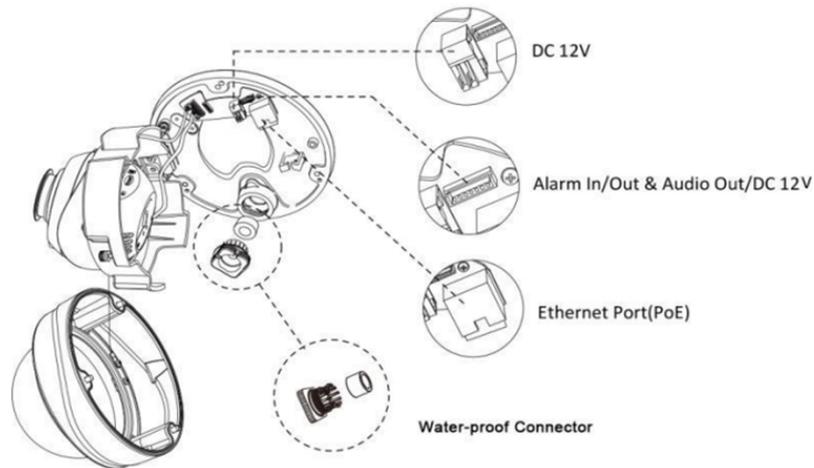
## 2MP Motorised Dome Network Camera

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixel	1920x1080
RAM/ROM	512MB/128MB
Min. Illumination	Color: 0.001Lux@F1.2, B/W: 0Lux with IR on
Shutter Speed	1s ~ 1/100000s
Lens	2.7mm ~ 13.5mm, Automatic Focusing & Motorised Zoom Lens
Optical Zoom	5x Optical Motorised Zoom
Digital Zoom	16x Digital Zoom
Field of View	Horizontal: 92°~32° Vertical: 51°~18° Diagonal: 107°~37°
Aperture	F1.2
Iris Type	P-Iris
Signal System	PAL/NTSC
Adjustment Angle	3 Axis
S/N Ratio	>60dB
Day/Night	ICR Filter Auto Switch
IR Distance	Up to 50m
Wavelength	850nm
Video	
Video Compression	H.265+, H.265, H.264+, H.264, MJPEG
Streaming Capability	Triple streams Individually configurable (H.265+,H.265,H.264)
Frame Rate	Primary Stream: 90fps@(1920x1080), 30fps@1920x1080, 1280x960,1280x720, 704x576
	Secondary Stream: 30fps@704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180
	Tertiary Stream: 30fps@1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180
Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)
Image	
Wide Dynamic Range (WDR)	144dB WDR
Back Light Coompensation (BLC)	Supported

High Light Compensation (HLC)	Supported
Auto Exposure	Auto Level Control
Electronic Image Stabilization (EIS)	Supported
Privacy Masking	Supported (8 Areas, Rectangular)
ROI	Supported (8 Areas, Rectangular)
Defog	Supported
Digital Noise Reduction	2D/3D DNR
Image Setting	Brightness, Contrast, Saturation, Auto Gain, Sharpness, Image Rotation
Image Enhancement Function	AWB, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark
<b>Audio</b>	
Audio Compression	G.711, AAC, G.722, G.726
Audio Streaming	Two-Way Audio
Audio Input	Built-in Microphone
Audio Output	1 Channel Output
<b>Events</b>	
Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm, Pre/Post Alarm Buffer.
Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification.
Video Content Analytics (VCA)	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed.
<b>Local Storage</b>	
Memory Card Slot	Supported up to 256GB Micro SD.
ANR	Supported, Auto store video in SD card when NVR is disconnected; Upload video to NVR when connection is resumed.
<b>Alarm Interface</b>	
Alarm Input	1 Channel Input
Alarm Output	1 Channel Output
<b>Network</b>	
Ethernet	1*RJ45 10M/100M Ethernet Port
IP Support	Static, Dynamic

Protocol	Pv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, FTP, NTP, SMTP, SNMP, DHCP, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
AES Encryption	AES256 Supported
IP Address Filtering	Supported
Multi-Level User ID/ Password	Supported
Network Storage	NAS(Support NFS, SMB/CIFS)
SIP/VoIP	Supported
Web Viewer	IE, Chrome, Firefox, Safari
Management Software Function	Globus CMS-Pro
Mobile Application	GloView Pro
System Compatibility	Onvif Profile G, Q, S, T & API
User/Host	20
<b>Environmental</b>	
Power Supply	PoE (802.3af), DC 12V±10%
Power Consumption	8W Max, 12W Max(With IR on)
Operating Temperature	-40°C~65°C, Less than 95% RH
Ingress Protection	IP68
Vandal Resistance	IK10
Casing	Aluminium
Dimensions	143mmX108.4mm
Weight	1100g

## Exploded View



## About Globus Infocom

Globus Infocom is a pioneer of technological solutions in the field of Education Technology, Collaborative Conferencing & Professional Displays, Security & Surveillance and Healthcare & Wellness.

The company houses one of the most elaborate range of security solutions including Network Dome Camera, Network Bullet Camera, PTZ Cameras, Fish Eye Cameras, NVRs, DVRs, Mobile Surveillance, Body Worn Cameras, Switches, PoE and related accessories.

With its in-house Research & Development team and the zeal for constant innovation, Globus has developed an insight to understand what 21st century Security & Surveillance market demands. Owing to its nationwide sales and service support, Globus Infocom, a proud Make in India brand, has amassed more than 25,000 customers with 50% of repeat order ratio.