

# govcomm

Intelligent Transportation Systems

2 Megapixel Low Light Smart Camera

**Technical Specifications**

**Model GC-IL-421**



## Key Attributes

- 2 Megapixel Full HD1080p Video
- Excellent for Difficult Lighting Conditions
- Wide Dynamic Range
- Smart Infrared Illuminators - 100 Meter Range
- Motorized Lens with Smart Focus
- Supports up to 128G On-Board Storage
- Power Options - 12VDC or PoE
- Ingress Protection Rating IP66
- Built-in Mounting Bracket - Pole Mount Adapter Optional



Product picture and technical specifications are subject to change without notice.  
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Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Minimum Illumination	0.0027 lux @ (f/1.4, AGC on), 0 lux with IR
Shutter Speed	1 s to 1/100,000 s
Lens	2.8mm to 12mm @ F1.4, 92°~32° 8 mm to 32 mm @ f/1.4, 28° to 12°
Lens Mount	AF automatic focusing and motorized zoom lens
Auto-Iris	DC drive
Day and Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
WDR	120dB
Compression Standard	
Video Compression	H.264+/H.264/MPEG4/MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 128 Kbps (MP2L2)
Image	
Max. Resolution	1920 x 1080
Frame Rate	60 fps (1920 x 1080)/(1280 x 960)/(1280 x 720)
Third Stream	Independent with main stream and sub stream, up to 30 fps (1920 x 1080)
BLC	Supported, zone optional
Defog	Supported
EIS	Supported
Day/Night Switch	Auto/schedule/triggered by alarm in
ROI	Supports
Picture Overlay	128 x 128 24-bit BMP format overlay, zone optional
Network	
Network Storage	MicroSD/SDHC/SDXC card with ANR (up to 128 GB), NAS (supports NFS, SMB/CIFS)
Alarm Trigger	Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, watermark, IP address filtering, anonymous access
Standard	ONVIF, PSIA, CGI, ISAPI
Smart Feature-Set	
Behavior Analysis	Line crossing detection, intrusion detection, region entrance, region exiting, unattended baggage, object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region



<b>Region Entrance</b>	Enter a pre-defined virtual region from the outside place
<b>Region Exiting</b>	Exit from a pre-defined virtual region
<b>Unattended Baggage</b>	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
<b>Object Removal</b>	Objects removed from the pre-defined region, such as the exhibits on display.
<b>Exception Detections</b>	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
<b>Statistics</b>	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
<b>General</b>	
<b>Protection Level</b>	IP66
<b>Operating Conditions</b>	-40°F – 175°F, Humidity 95% or less (non-condensing)
<b>Power Supply</b>	12 V DC ± 10%, PoE (802.3af)
<b>IR Distance</b>	Up to 100m
<b>Power Consumption</b>	Max. 12 W
<b>Dimensions</b>	3.94" × 4.09" × 12.28" (100×103.9×311.8 mm)

## Dimensions

