Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.
Only persons who read the user manual may use the device.
The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.
The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.
If the product has defects, it should not be used until it is repaired.
The product is intended for use at home and commercial use and may not be used for other than intended use.
The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.
The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:
1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:
Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.
The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.
Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.
Turn off the device before transporting it.
Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

Proper product disposal:
A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.
To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

User Manual

Code: GT-SD21L4-10X

IP SPEED DOME CAMERA OUTDOOR **GT-SD21L4-10X** - 1080p 4.7 ... 47 mm GEMINI TECHNOLOGY

Outdoor Speed Dome camera equipped with high resolution Sony sensor and adaptive IR illuminator with range up to 80m. Included camera software enables management and integrated monitoring of many network cameras.
For a few models of IP cameras working at ≥ 1920 x 1080 resolution we recommend to use of network with 1Gb/s bandwidth.



Standard:	TCP/IP
Sensor:	1/2.8 " Sony CMOS IMX322
Digital Image Processor:	DSP AMBARELLA A5S66
Matrix size:	2.1 Mpx
Resolution:	1920 x 1080 - 1080p 1280 x 960 - 1.3 Mpx 1280 x 720 - 720p
Scanning system:	Progressive
Lens:	4.7 ... 47 mm
View angle:	• 54 ° ... 4.9 ° (manufacturer data) • 45 ° ... 7 ° (our tests result)
Optical zoom:	x 10
Range of IR illumination:	80 m
S/N ratio:	≥ 50 dB (AGC off)
Video output:	1 Vpp / 75 Ω
Rotation speed (manual control):	0.1 °/s ... 200 °/s (horizontal) 0.1 °/s ... 200 °/s (vertical)
Preset rotation speed:	max. 240 °/s

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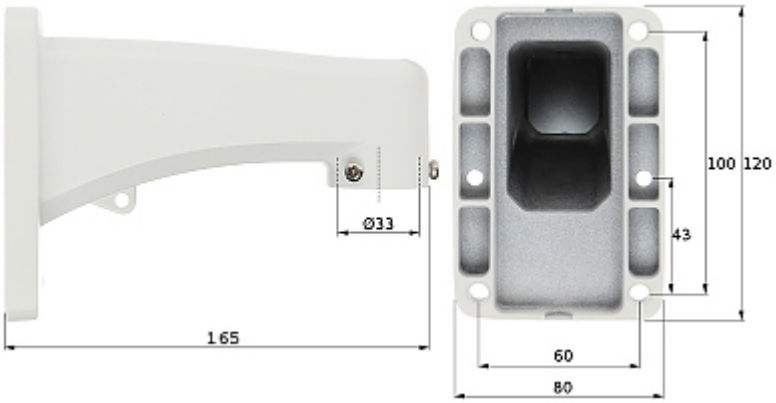
Horizontal rotation range:	360 ° continuous
Vertical rotation range:	-3 ° ... 90 °
RS-485 interface:	–
Number of presets:	255
Horizontal scan:	Between two points with adjusted speed
Image compression method:	H.264 / MJPEG
Alarm inputs / outputs:	1 / 1
Network interface:	10/100 Base-T (RJ-45)
Network protocols:	TCP/IP, HTTP, HTTPS, IGMP, DDNS
Bitrate:	800 ... 6000 kbps
WEB Server:	Built-in
ONVIF:	2.04
Mobile phones support:	Port no.: 5800 or access by a cloud (P2P) • Android: Free application Fseye • iOS: Free application Fseye
Default admin user / password:	admin / (null)
Default IP address:	192.168.1.188
Web browser access ports:	80, 554
WEB Server:	Built-in
Max. number of on-line users:	10
Port ONVIF:	80
RTSP URL:	rtsp://ip_address:554/channel1/1
Route settings:	4
Main features:	• ICR - Movable InfraRed filter • Parking action - this function enables to locate the camera to specific position automatically if operator doesn't operate the controller for some time • WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - configurable Back Light Compensation • Day/Night mode (color/b&w/auto) • Motion Detection • IR illuminator optimization • Mirror - Mirror image • Auto White Balance • Additional "Spot" CVBS output - allows to quick view the image from camera and its configuration without the need to disconnect it from monitoring system
Power supply:	• PoE (802.3at), • 24 V DC / 640 mA (power adapter included)
Housing:	Speed Dome, Metal
Color:	white
Operation temp:	-40 °C ... 55 °C

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"Index of Protection":	IP66
Supported languages:	English, Polish
Weight:	2.78 kg (with bracket)
Dimensions:	285 x 150 x 235 mm (with bracket)
Manufacturer / Brand:	GEMINI TECHNOLOGY
Guarantee:	2 years



Bracket dimensions:



Camera connectors:

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In the kit:



PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg

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