

# VIDOAL\*H9IR6



## 6" 150M Vari-focal Intelligent IR High Speed Dome

- ◇ World First intelligent vari focal IR PTZ ever made
- ◇ World advanced technology and German IR LED are used, IR distance is 150
- ◇ III generation IR technology, IR light quality distributed, thus avoid "Flash Light" effect
- ◇ IR lamp zoom in and out synchronously with zoom lens
- ◇ Lower consumption, life is 5~10 times longer than normal IR LED
- ◇ NEW 32 bit processor, with soft ID, more storage space, higher speed, better performance, lower consumption
- ◇ Factory default setting available in OSD menu;
- ◇ Support multi-brands of camera modules and protocols
  - ◇ 360° continuous rotation, manual pan speed 0.1~180°/s, manual tilt speed 0.1~100°/s
- ◇ Preset speed 400°/s, preset accuracy ±0.1°, with 128 presets;
- ◇ 7 groups of preset tours, 6 groups of patterns
- ◇ Home Position (time is 0~999 seconds optional);
- ◇ Power off memory
- ◇ Protocols: Pelco, D/P, DYNACOLOR, ULTRACK, VICON, able to add
- ◇ Power: DC12V, 5A



Features	UGR616 150M External Vari-focal Intelligent IR High Speed Dome
<b>Camera</b>	
Image Sensor	1/3" SONY Interline Transfer EXview HAD-II CCD
Effective Pixels	976(Horizontal)×582(vertical)
Horizontal Resolution	650TVL
Min. Illumination	0.001 lx(ICR ON, 1/50 Sec)
Zoom	22x Optical Zoom, 4.7mm~103.4mm, F1.4(W)~F2.8(T)
Day & Night	ICR
Focus	Auto/Trigger/Manual
White Balance	Auto/Indoor/Outdoor/One Push/Atw/Manual
S/N (Y signal)	>50dB
BLC	OFF/ON
Motion Detection	ON/OFF
Privacy Masking	OFF/ON (8 Areas)
<b>Dome Features</b>	
IR light Source	Varical focal IR-III generation
IR Wave Length	850nm
synchronous	IR lamp zoom in and out synchronously with zoom lens
IR Distance	150 M
IR Control	Auto/Manual
IR life	more than 20,000 hours
IR angle	7°~42°
Processor	32 bit ARM(more storage space, higher speed, better performance, lower consumption)
Dome ID	0~255(Soft ID & hard ID available)
Pan Range	360° continuous rotation
Tilt Range	0~90°, Auto Flip
Pan Manual Speed	0.1~180°/S
Tilt Manual Speed	0.1~100°/S
Preset Speed	400°/S
Prest Accuracy	±0.10°
Prests	128

Languages	Chinese/English
OSD Menu	double OSD ( of dome and of camera module)
Display of PAN, TILT, Z	real-time display of pan position, tilt position, zoom
Sector Display	8 groups programmable
Tour (Vector Scan)	7groups programmable
Pattern	6 groups
Pan 360°Scan	Support
Point-to-point Scan	Support
Speed adaption	Speed slows down automatically when zoom in
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion ( Home Postion)	Return to preset/tour/pattern/ if there is no command in the specified period.
Idle Time	1~999 seconds optional
Protocols	PELCO- D/P、DYNACOLOR、ULTRAK、VICON, able to add
Certificates	RoHs ,CE,FCC, IP66
Working Temperature	-30℃~55℃
Working Humidity	0%~90% (No Condensation)
Lightning & Surge Prote	III degree protection
Power	DC12V/5A
Comunication	RS-485
Video Ouptut	BNC

# VIDOAL\*H9IR6



## 6" External High Speed Dome ( 32 bit processor, soft ID & hard ID available)

- ◇ NEW 32 bit processor, with soft ID, more storage space, higher speed, better performance, lower consumption
- ◇ Factory default setting available in OSD menu;
- ◇ Support multi-brands of camera modules and protocols
- ◇ 360° continuous rotation, manual pan speed 0.1~300°/s, manual tilt speed 0.1~12°/s
- ▽ Preset speed 400°/s, preset accuracy ±0.1°, with 128 presets,
- ◇ 7 groups of preset tours, 6 groups of patterns
- ◇ Home Position ( time is 0~999 seconds optional);
- ◇ Power off memory
- ◇ Intelligent cooling and heating system
- ◇ Protocols: Pelco ,D/P,DYNACOLOR,ULTRACK,VICON,able to add



Features	UGS606 Intelligent High Speed Dome	
<b>Camera</b>		
Image Sensor	1/4" SONY Exview HAD CCD II	
Effective Pixels	PAL:960(H)×582(V)	
Horizontal Resolution	650TVL	
Min. Illumination	0.01Lux(infra LED on)	
Zoom	22X, f=4mm~88mm F1.6(W)~3.6(T)	
Day & Night	Auto, COLOR, B/W(ICR)	
WDR	Digital WDR	
Focus	Auto/Manual	
White Balance	ATW / INDOOR / OUTDOOR / Manual	
S/N (Y signal)	≥48dB	
BLC	Support	
<b>Dome Features</b>		
Processor	32 bit ARM(more storage space, higher speed, better performance, lower consumption)	
Dome ID	0~255(Soft ID & hard ID available)	
Pan Range	360° continuous rotation	
Tilt Range	0~90°, Auto Flip	
Pan Manual Speed	0.1~300°/S	
Tilt Manual Speed	0.1~120°/S	
Preset Speed	400°/S	
Preset Accuracy	±0.10°	
Presets	128	
Languages	Chinese/English	
OSD Menu	double OSD ( of dome and of camera module)	
Display of PAN, TILT, Zoom	real-time display of pan position, tilt position, zoom	
Sector Display	8 groups programmable	
Tour (Vector Scan)	7 groups programmable	
Pattern	6 groups	
Pan 360° Scan	Support	
Point-to-point Scan	Support	
Speed adaption	Speed slows down automatically when zoom in	
Power up Action	Auto restore to previous PTZ and lens status after power failure	
Idle Motion ( Home	Return to preset/tour/pattern/ if there is no command in the specified period.	
Idle Time	1~999 seconds optional	
Protocols	PELCO- D/P、DYNACOLOR、ULTRAK、VICON, able to add	
Certificates	RoHs ,CE,FCC, IP66	
Working Temperature	0°C~50°C (Internal)	External -30°C~ 60°C ( can be customized)

Temperature Control	42°C cooling system on	6°C heating system on,42°C cooling system on(double control by software & hardware)
Working Humidity	0%~90% (No Condensation)	
Lightning & Surge Protect	III degree protection	
Power	24VAC 60Hz/50Hz	
Consumption	Internal 18W(2.0A),	External 34W(3.0A)
Comunication	RS-485	
Video Ouptut	BNC	

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## 4"Mini High Speed Dome

- ◇ NEW 32 bit processor, with soft ID, more storage space, h
- ◇ Factory default setting available in OSD menu;
- ◇ Support multi-brands of camera modules and protocols
- ◇ 360°continuous rotation, manual pan speed 0.1~300°/s, ma
- ◇ Preset speed 400°/s, preset accuracy  $\pm 0.1^\circ$ , with 128 pre
- ◇ 7 groups of preset tours, 6 groups of patterns
- ◇ Home Position (time is 0~999 seconds optional);
- ◇ Power off memory
- ◇ With alarm function, III degree lightning and surge protector
- ◇ Intelligent cooling and heating system
- ◇ Protocols: Pelco ,D/P, DYNACOLOR, ULTRACK, VICON, able

Features	UGS402 Intelligent M
<b>Camera</b>	
Image Sensor	1/4" SONY Exview HAD CCD II
Effective Pixels	PAL:960(H)×582(V)
Horizontal Resolution	650TVL
Min. Illumination	0.01 lux (typical) (50 IRE)
Zoom	10x zoom, F1.6(W)~4.5(T) f=3.4mm~122.
Day & Night	AUTO/COLOR/BW
S/N Ratio	$\geq 48\text{dB}$
White Balance	Auto
BLC	On/Off
Focusing system	Auto /Manual
<b>Dome Features</b>	
Processor	32 bit ARM(more storage space, higher speed)
Dome ID	0~255(Soft ID & hard ID available)
Pan Range	360°continuous rotation
Tilt Range	0~90°, Auto Flip
Pan Manual Speed	0.1~300°/S

Tilt Manual Speed	0.1~120°/S
Preset Speed	400°/S
Prest Accuracy	±0.10°
Prests	128
Languages	Chinease/English
OSD Menu	double OSD ( of dome and of camera module
Display of PAN, TILT, Zoom	real-time display of pan postion, tilt position, z
Sector Display	8 groups programmable
Tour (Vector Scan)	7groups programmable
Pattern	6 groups
Pan 360°Scan	Support
Point-to-point Scan	Support
Speed adaption	Speed slows down automatically when zoom
Power up Action	Auto restore to previous PTZ and lens status
Idle Motion ( Home Postion)	Return to preset/tour/pattern/ if there is no cc
Idle Time	1~999 seconds optional
Protocols	PELCO- D/P、 DYNACOLOR、 ULTRAK、 VI
Certificates	RoHs ,CE,FCC, IP66
Working Temperature	0℃~50℃(Internal)
Temperature Control	42℃ cooling system on
Working Humidity	0%~90% (No Condensation)
Lightning & Surge Protec	III degree protection
Power	24VAC 60Hz/50Hz
Consumption	Internal 18W(2.0A),
Comunication	RS-485
Video Ouptut	BNC



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External -30°C~60°C( can be customized )
6°C heating system on,42°C cooling system on(double control by software & hardware)


External 34W(3.0A)
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UGRIH616

1080P HD Mega-Pixel PTZ camera , 20X-30X Optical Zoom w/Synchronized Vari Focal IR Illuminator



## 1.Main features

### Worldwide Innovation

- \* The most advanced Intelligent IR PTZ with Vari focal LED lens ever made.
- \* Target Illumination up to 150 meters due to advanced IR LED array made in Germany
- \* IR Led focal point is synchronized with Optical zoom lens position, eliminating "Flashlight" effect, providing brighter and clearer target image
- \* Due to intelligent power management, the life of the IR Led array is around 5 to 10 times longer than ordinary IR Leds
- \* The 32-bit processor offers higher preset speeds with extended storage capacity and lower power consumption
- \* The PTZ camera is capable of moving 360° continuously with preset Pan Speed at 240°/Sec. Manual Pan speed from 0.1~180°/Sec and Tilt speed from 0° to 90°/sec
- \* Features OSD menu operation for parameter setting
- \* The Davinci TI368 media processor and ARM9 DSP video processor are utilized for better performance and features
- \* H.264 Main Profile@Level 3 delivers transmission of high resolution video over narrow network bandwidth with ease
- \* Up to 10 video stream are supported simultaneously
- \* Software App control is available to manage and control the PTZ camera
- \* Supported protocols: TCP, IP, RTSP, FTP, PPPOE, DHCP, DDNS, NTP, UPnP
- \* Remote software upgrade is supported via the network
- \* Support for ONVIF 2.0 protocol with compatibility to DVR such as Dahua, Hikvision, Anpurs, Xiongmai and others.
- \* P2P technology eliminates the need for port mapping, DNS, IP Address setting.
- \* Remote operation and image storage using mobile phone; Support for Android/smart phone/Iphone/Ipad; software and hardware decoding on the mobile phone at the same time, providing smooth and clear image

## 2.Specifications

Type	UGRIH616 1080P Full HD Mega-Pixel Vari Focal IR PTZ camera, distance up to 150 meter			
	UGRIH616-020-12	UGRIH616-030-12	UGRIH616-020-W2	UGRIH616-018-U2
<b>Camera</b>				
Zoom module	FCB-EH6300	FCB-EH6500	CTW20H108	CTU18H108
Image sensor	Sony 1/3-type CMOS			
Effective pixels	2MP			
Horizontal resolution	800TVL			
Min.Illumination	0.1 lux			
Optical zoom	20X = 4.7mm to 94.0mm	f 30X = 4.3mm to 129mm	f 20X, f=4.7mm ~ 94.0mm	18X, f=4.7mm ~ 84.6mm
Digital zoom	12X		32X	
ICR	Supported			
Focus	Auto/Manual			
White balance	Auto, ATW, Indoor, Outdoor, One-Push, WB, Manual WB		Auto / one push / manual / indoor / outdoor	
<b>PTZ features</b>				
Size	6"			
Pan range	360° continuous rotation			
Tilt range	0~90°			

Manual pan speed	0.1~180°/S
Manual tilt speed	0.1~120°/S
Preset speed	240°/S
Preset accuracy	±0.15°
Preset points	128
Video compression	H.264
Resolution	Main stream:1920×1080P,1280×960, 1280×720P; Secondary stream Supported resolutions :640×360,480×270,352×288,320×240,352×192,320×192,288×192,256×192;
Processor type	Embedded RTOS design ,32 Bit ARM DSP(TIDavinci DM368),128M FLASH,128M DDR2;
Data rate	50Kbps ~ 8Mbps
Support protocols	TCP, IP, RTSP, FTP, PPPOE, DHCP, DDNS, NTP, UPnP
Frame Rate	1---30 Fps(adjustable)
IR light source	Varical focal IR-III generation
IR wave length	850nm
Synchronous	IR Led zooming in/out synchronized with Camera optical zoom lens
IR distance	150 M
IR control	Auto/Manual
IR life	> 20,000 h
IR angle	7°~42° (varifocal LED lens) , 60° (prefocus lens)
OSD menu	Supported
Pan 360°Scan	Supported
Point to point scan	Supported
Speed adption	Supported
Infrared LED switch time	Setting by OSD menu
Tours	7 (Running speed and dwell time user selectable)
Pattern	6
Privacy	24 group (Only good for Sony camera currently)
Video output	RJ45, analog BNC
Communication	1 x Ethernet 10/100Base-T Interface/ 1 x 802.11b/g/n Interface (Option)
Controlling method	Network, Keyboard, mobile phone monitoring
Power supply	DC12V/5A
Consumption	< 36W
Operation temperature	-30℃ ~ 60℃
Working humidity	0%~90% (Non condensing)
Installation	Optional brackets: Pendant ,Wall mount Brackets
Certifications	IP66 ROHS CE FCC

### 3.Dimension

