

Items	R Model	D Model	K Model	S Model
CAMERA				
CCD Sensor	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Progressive Scan	-	-	Yes	-
Optical Zoom	22x	30x	23x	30x
Digital Zoom	1x - 12x variable			1x ~ 10x variable
Effective Pixels	NTSC	380k		
	PAL	440k		
Horizontal Resolution	NTSC	480 TVL		520 TVL / 570 TVL (B/W)
	PAL	480 TVL		520 TVL / 570 TVL (B/W)
Scanning System	NTSC / PAL			
Synchronization	Internal / Line Lock			
Video Output	1.0 Vp-p / 75 Ω, BNC			
S/N Ratio	> 50 dB (AGC Off)			
Minimum Illumination	1 lux	0.2 lx; 0.07 lx (B/W)	0.1 lux; 0.01 lux(B/W)	0.6 lux; 0.1 lux (B/W)
Focal Length	4-88 mm	3.6 - 108mm	3.6-82.8 mm	3.3-99.0 mm
Focus Mode	Auto / Manual			
White Balance	Auto / Manual			
Iris Control	Auto / Manual			
Electronic Shutter	NTSC	1/60-1/30k sec.	1/1.5 - 1/10000 sec.	1/2-1/30k sec. / 32/15-1/60k sec.
	PAL	1/50-1/30k sec	1/1.5 - 1/10000 sec.	1/1.5-1/30k sec / 64/25-1/60k sec.
AGC control	Auto / Manual			
Back Light Compensation	On / Off			
OPERATION				
Built-in Protocol	DynaColor, Pelco D&P, VCL, Philips, AD-422, JVC, Kalatel, etc.			
Multi-Languages OSD	English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish			
Pan Travel	360° endless			
Tilt Travel	-10°-100°		-10°-190°	
Manual Speed	1°-90°/s			
Presets	256			
Preset Accuracy	Pan	0.225°		
	Tilt	0.225°		
Preset Speed	Pan	5°-400°/s		
	Tilt	5°-400°/s		
Cruise	1			
Sequence	8			
Auto Pan	4			
Privacy Mask	-	4	8	4
Proportional Pan & Tilt	On/Off (Pan and tilt speed proportional to zoom ratio)			
Resume after Power loss	Yes			
Zone Title	16			
Home Function	Preset, Sequence, Auto pan, Cruise			
Auto Flip	Mechanical/Off		Digital/Mechanical/Off	
Digital Slow Shutter	-	On/Off	On/Off	On/Off
Electronic Image Stabilizer	-	-	-	On/Off
Motion Detection	-	-	-	-
Wide Dynamic Range	-	-	On/Off	-
Day/Night: IR Cut Filter	-	On/Off	On/Off	On/Off
Alarm Input	8			
Alarm Output	1			
Alarm Reaction	Preset, Sequence, Auto pan, Cruise			
GENERAL				
Environment	Indoor / Outdoor			
Controller Interface	RS-485			
Operating Temperature	Indoor: 0°C - 40°C (32°F - 104°F) Outdoor: -45°C - 50°C (-49°F - 122°F)			
Weather Proof Standard	IP 66 standard (D7728 series only)			
Dimension	D7727	ø131 x 226mm (5.2 x 8.9 Inches)		
	D7728	ø172 x 302.5mm (6.7 x 11.9 Inches) / ø190 x 302.5mm (7.5x 11.9 Inches), with sunshield		
Weight	D7727	1.6 kg (3.5 lbs)		
	D7728	6 kg (13.2 lbs)		
Power Source	D7727	DC12V / AC24V ± 10%		
	D7728	AC24V ± 10%		
Power Consumption	D7727	20 W		
	D7728	65 W (with Heater)		
Regulatory	CE, FCC, RoHS			