



20Z704 Series

Auto-Focus Cameras



Camera

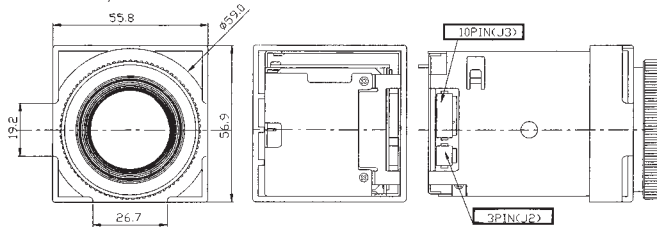


Module

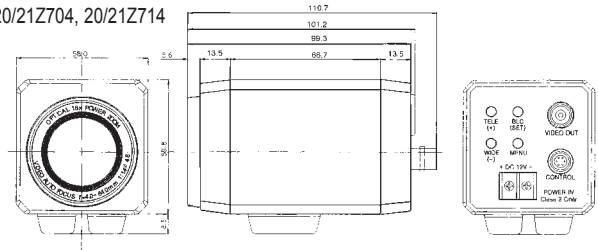
Series Features:

- Mirror Mode
- 16 x Optical Zoom (128 x Digital Zoom)
- Optional Wired Remote Operates to 30m (100 feet)
- S-Video and Composite Video Outputs
- Camera or Module
- On Screen Display
- RS-232, RS-422, RS-485 Interfaces
- Macro Function with Diopter Lens
- USB Option (model 20Z704USB)

Module 20/21Z404, 20/21Z414



Camera 20/21Z704, 20/21Z714



Technical Specifications

		20Z704 20Z404*	21Z704 21Z404*	20Z714 20Z414*	21Z714 21Z414*
Electrical Specifications					
CCD Sensor	1/4" Sony interline CCD	X	X	X	X
Active pixels (HxV)	768x494 NTSC	X			
	500x582 PAL		X		
	512x492 PAL			X	
Horizontal resolution (TVL)	> 480 TVL	X	X		
	> 380 TVL			X	X
Sensitivity	1 lux at 30 IRE	X	X		
	0.5 lux at 30 IRE			X	X
Signal to noise ratio	> 48 dB	X	X	X	X
Gamma	Default 0.45	X	X	X	X
Gain	Automatic or manual (via software)	X	X	X	X
Synchronization	Internal	X	X	X	X
Back light compensation	Automatic or off (via software or hardware)	X	X	X	X
Mirror mode	Selectable	X	X	X	X
Shutter speed	Automatic / manual (1/60 to <1/100000) (1/50 to 1/10000PAL)	X	X	X	X
Iris	Auto or manual (via software)	X	X	X	X
Video output	Composite Video 1 Vpp (75 ohm) & Y/C (S-Video)	X	X	X	X
Power supply	12 VDC +/- 0.5V	X	X	X	X
Power consumption	4.3 W	X	X	X	X
Interfaces	RS 232, (RS 422, RS 485 optional)	X	X	X	X
Environmental Specifications					
Ambient operating temp.	-10° to +55° Celsius	X	X	X	X
Storage temp.	-20° to +60° Celsius	X	X	X	X

Mechanical Specifications

Lens mount	Integrated
Lens	F1.4 to 2.8, FL=4.0 to 64.0
FOV	H=47 degrees (wide), 3 degrees (tele)
Focus Range	Infinity~1.0m (tele) to 0.01m (wide)
Zoom	Optical to 16x Digital to 128x
Durability	Zoom, Focus & Iris: more than 500K at room temperature

Dimensions (WxHxD)

Camera	58.0 x 59.8 x 99mm
Module	55.8 x 56.9 x 82mm without converter lens

Accessories

Wired Remote Controls		
60ZRC006	1.5m	
60ZRC100	30m	
60PR12DC800	12VDC Power Supply	
60C0014	Power Cable	
Control software		
Diopter	Object Distance Minimum	
+2	13"	(320mm)
+3	10"	(250mm)

* Denotes modular option.
All data subject to change without notice.

