

# ACEM Full HD camera - v2016

## for NX series lamps

### Specifications

Imager	1/2.8 Type "Exmor" CMOS Sensor	Back light compensation	On/Off
Picture elements	2140K pixels	Electronic shutter speed	1/1 sec to 1/10000 sec (22 steps)
Lens	10× Zoom	White Balance	Auto, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor Lamp (Fix/Auto/Outdoor Auto)
	F= 3.8 mm (WIDE) to 38 mm (TELE), F1.8 to F3.4	Gain	Auto/Manual (0 to 28 step) Max. Gain Limit (6 to 28 step)
	Zoom movement speed	Wide Dynamic Range	On/Off
	Optical WIDE – Optical TELE	Noise Reduction	On/Off (level 5 to 1 / OFF, 6 steps)
	1.2 sec	Defog mode	On/Off
	Optical WIDE – Digital TELE	Color Enhancement	On/Off
	3.2 sec (29.97p/59.94p mode)	Aperture control	16 steps
	3.6 sec (25p/50p mode)	Preset	16-POSITIONS
	Digital WIDE – Digital TELE	Camera control	VISCA protocol (CMOS 5V) 9.6 kbps, 19.2 kbps, 38.4 kbps, 115.2 kbps, Stop bit, 1 bit
	2.2 sec (29.97p/59.94p mode)	Video Output	HD: Analog component (Y/Pb/Pr) Digital (LVDS) Analog SD: VBS
	2.6 sec (25p/50p mode)	Storage temperature/Humidity	–20 °C to +60 °C (–4 °F to +140 °F)/ 20% to 95% Absolute humidity: 36 g/m <sup>3</sup>
	Focus Movement time	Operating temperature/Humidity	–5 °C to +60 °C (23 °F to +140 °F)/ 20% to 80% Absolute humidity: 36 g/m <sup>3</sup>
	∞ to Near	Power requirements	6 V to 12 V DC
	0.8 sec	Power consumption	3.4 W (steady state), 3.7 W (during motor operation)
Digital Zoom	12× (120× with optical zoom)	Mass	Approx. 210 g (9.17 oz.)
Angle of view (H)	Approx. 67.0 degrees (wide end), approx. 7.6 degrees (tele end)	Dimensions	45.6 × 48.8 × 78.0 mm (1 <sup>13</sup> / <sub>16</sub> × 1 <sup>15</sup> / <sub>16</sub> × 3 <sup>1</sup> / <sub>8</sub> in.) (w/h/d)
Min. working distance	10 mm (wide end), 800 mm (tele end)		
Sync system	Internal		
Min. illumination (Typical value)	In the case of ICR-OFF 0.35 lx (1/30 sec, 50%, High Sensitivity mode ON) 1.4 lx (1/30 sec, 50%, High Sensitivity mode OFF) 0.05 lx (1/4 sec, 1/3 sec, 50%, High Sensitivity mode ON) 0.19 lx (1/4 sec, 1/3 sec, 50%, High Sensitivity mode OFF) In the case of ICR-ON 0.03 lx (1/30 sec, 50%, High Sensitivity mode ON) 0.12 lx (1/30 sec, 50%, High Sensitivity mode OFF) 0.002 lx (1/4 sec, 1/3 sec, 30%, High Sensitivity mode ON)		
Recommended illumination	100 lx to 100,000 lx		
S/N ratio	50 dB (Weight ON)		