



Comparison of key parameters for CST's SPECTREL NAVAL series of mid-range zoom camera systems

Parameter	SP-Naval 13165/336W	SP-Naval 12200/336W
		
Resolution (camera core, effective pixels, Pal)	976 x 582 pixels	976 x 582 pixels
Video output	Composite VBS	Composite VBS
Optical zoom range	5.5 to 165 mm (30x)	11 to 200 mm (18x)
HFOV range	46° to 1.7°	25.1° to 1.4°
Detection distance up to human	8.8 km	11.2 km
Recognition distance up to human	2.2 km	2.9 km
Identification distance up to human	1.7 km	2.2 km
Dimensions in mm (W x H x L) excl. connectors	179 x 123 x 364.5	179 x 123 x 364.5

Detection and recognition distances are based on the SSIP CAM program. Conditions for distances: Visual band 400-1000nm, Contrast=30 %, Over cast daylight, Sky ratio=3, Visibility 80 km, 50 % probability. Actual values will vary acc. to conditions.

COMMON KEY FEATURES:

- Sealed protective housing, IP 67
- -40°C to +70°C operating temperature range
- Integrated wiper and washer system
- Highly sensitive colour CCD
- Fog penetration feature
- Shock tolerance of 30G @ 11ms
- Vibration tolerance according to MIL-STD 810G, method 514.2, procedure VIII
- Highly accurate boresight retention (line of sight stability)

Detailed specifications can be found under each product at www.copst.com