

HT7248FFiL FOCUS FREE INTENSIFIER™ SERIES COLOR DOME CAMERA

TECHNICAL SPECIFICATIONS SECURITY SYSTEM DIVISION

LEVEL 1 ___28 00 00 ELECTRONIC SAFETY AND SECURITY

LEVEL 2 ___28 20 00 ELECTRONIC SURVEILLANCE

LEVEL 3 ___28 23 00 VIDEO SURVEILLANCE

PART 2 - PRODUCTS

2.01 GENERAL

A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.

B. All systems and components shall have been thoroughly tested and proven in actual use.

C. All systems and components shall be provided with the availability of a toll-free technical support phone number from the manufacturer. The phone number shall allow for technical assistance for either the dealer/installer or the end user at no charge.

D. All systems and components shall be provided with an explicit manufacturer warranty.

2.02 GENERAL SPECIFICATIONS

Speco Technologies HT7428FFiL Focus Free Intensifier Series Color Dome Camera with Chameleon™ Cover and Advanced Leveling or approved equal.

The DSP color CCTV camera shall consist of a 1/3-inch format CCD imaging chip.

The DSP camera uses Focus Free technology that includes deep focus techniques allowing simultaneous focus on all objects within the field of view. Reduces installation time.

The DSP camera includes an accelerometer that alerts the installer when camera is horizontally level.

The DSP camera shall be a high resolution color camera that amplifies and maximizes existing light to generate pictures in darkness and in light without IR LEDs. Intensifier technology enhances low light viewing with no distance limitations.

The DSP color CCTV camera shall meet or exceed the following design and performance specifications:

2.03 COLOR/B-W CCD CAMERA SPECIFICATIONS

A. Day/Night Operation:	Intensifier™ built-in (selectable from 2x to 256x)
B. Imaging Device:	1/3-inch Sony HQ-1™ color CCD w/customized DSP
D. Lens:	2.8 to 10mm Focus Free auto iris motorized zoom lens controlled with on board push button or remote S485 signals
E. On Screen Display (OSD):	Built-in controlled by internal joystick
F. Scanning System	
a. NTSC:	525 lines, 60Hz, 2:1 interlace, 60 fields, 30 frames
G. Picture Elements	
a. NTSC:	768 (H) x 494 (V)
H. Sensing Area:	8 mm diagonal
I. Horizontal Resolution:	Color: 580 TV lines
J. White Balance:	W-ATW/S-ATWAWC/Manual (1800' K – 10,500K)
K. Electronic Shutter	Auto/Manual
a. NTSC:	1/60 to 1/200,000 second
L. Iris Control:	Adjustable in auto iris mode
M. Auto Iris Lens Type:	DC drive (adjustable)
N. Gain Control:	Low, Middle, High, Off selectable
O. Speco Light Compensation (SLC):	Low, Middle, High, Off selectable
P. Intensifier™:	Adjustable 2X – 256X, off



Q. Electronic Shutter/Auto Iris	
Selector Switch:	On/off switchable
R. Reduce Noise:	Low, Middle, High, Off selectable
S. Sharpness:	On/Off (level adjustable)
T. Privacy Function:	On/Off (4 programmable zones)
U. Motion Detection:	On/Off (4 programmable zones)
V. D/N Color:	Always color/day-night operation
W. Signal Processing:	Digital signal processing (DSP)
X. Gamma Correction:	0.45
Y. Video Output:	1 Vp-p, 75 ohms
Z. Signal-to-Noise Ratio:	>50 dB
AA. Minimum Illumination	0.002 Lux (Intensifier™) / 0.03 Lux (shutter)
BB. Synchronization System:	Internal/ line lock selectable through OSD
CC. Housing	Tamper resistant aluminum composite/polycarbonate. IP67 water resistant/weatherproof

2.04 ELECTRICAL SPECIFICATIONS

A. Input Voltage:	10-15V DC, 22-28V AC
B. Power Consumption:	230mA (DC)/3.8 (AC) maximum
C. Video Connector:	BNC
D. Lens Jack:	Built-in
F. Video Test Connector	Proprietary cable harness with BNC connector
G. Power Supply	12V DC & 24A VC (dual voltage) required

2.05 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature:	-20° to 122°F (-29° to +50°C)
B. Storage Temperature:	-30° to 140°F (-34° to +60°C)
C. Operating Humidity:	up to 95%, noncondensing
D. Storage Humidity:	up to 95%, noncondensing

2.06 PHYSICAL SPECIFICATIONS

A. Dimensions:	6.29" Diameter x 3.89" H (12.7 cm x 9 cm)
B. Weight:	1.75 lbs. (0.68 kg)

2.07 MECHANICAL SPECIFICATIONS

A. Lens Mount:	Varifocal proprietary board type
B. Camera Mount:	Wall and ceiling with internal 3-axis mount

2.08 WARRANTY

A. 5 years, parts and labor

2.09 SPECIFICATIONS MODEL NUMBERS

A. HT728FFiL:	2.8 to 10mm Focus Free auto iris motorized zoom lens, 10-15V DC or 22-28V AC, grey base with paintable Chameleon™ cover
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Works in conjunction with these available accessories:

B. RCINT:	IR remote control for HT7248FFiL
C. CVCTPEXT:	Adapts HT7248FFiL to accept conduit, also acts as a junction box
D. CVCTPLATE:	Bullet Camera mounting accessory for junction box/conduit access point
E. 7246WMT:	Wall Mount



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