XGA SOLUTION

CAMERA

DOME

LENS

DVR

MONITOR & ACCESSORIES

HZC-755 Series

TRUE DAY NIGHT

HZC-755N-G
1/4", x25 Zoom, Day&Night, BMB, DC12V, RS-232, NTSC

HZC-755P-G
1/4", x25 Zoom, Day&Night, BMB, DC12V, RS-232, PAL

HZC-755N-VR-G
1/4", x25 Zoom, Day&Night, BMB, DC12V, RS-422, NTSC

HZC-755P-VR-G
1/4", x25 Zoom, Day&Night, BMB, DC12V, RS-422, PAL

HZC-755NX-G
1/4", x25 Zoom, Ex-view, Day&Night, BMB, DC12V, RS-232, NTSC

HZC-755PX-G
1/4", x25 Zoom, Ex-View, Day&Night, BMB, DC12V, RS-232, PAL

HZC-755NX-VR-G
1/4", x25 Zoom, Ex-View, Day&Night, BMB, DC12V, RS-422, NTSC

HZC-755PX-VR-G
1/4", x25 Zoom, Ex-View, Day&Night, BMB, DC12V, RS-422, PAL

BMB™

Black Mask BLC is a new Back Light Compensation technology developed by Honeywell which realize true Back Light Compensation by masking High Light area.

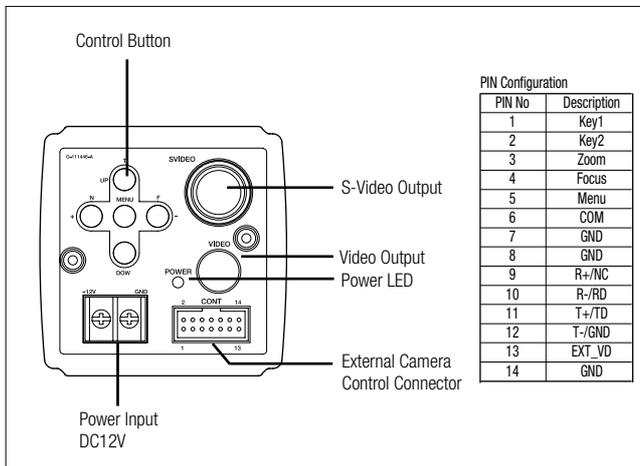Built-in Optical Zoom Lens (Maximum x250 with Digital Zoom)

KEY FEATURES

- High effective BMB™ with variable level and area (7 detect level and 16 area selectable)
- High Durability of MTBF 2 M Cycles
- Digital Image Flip function for high Speed-Dome
- Low Shutter Speed
- Powerful IR Cut Filter
- True Day&Night
- Built in CDS sensor to accurately Add/Remove IR-Cut Filter
- 8-Privacy Zone Masking with Zoom
- Improved Color Reproduction and Sharpness
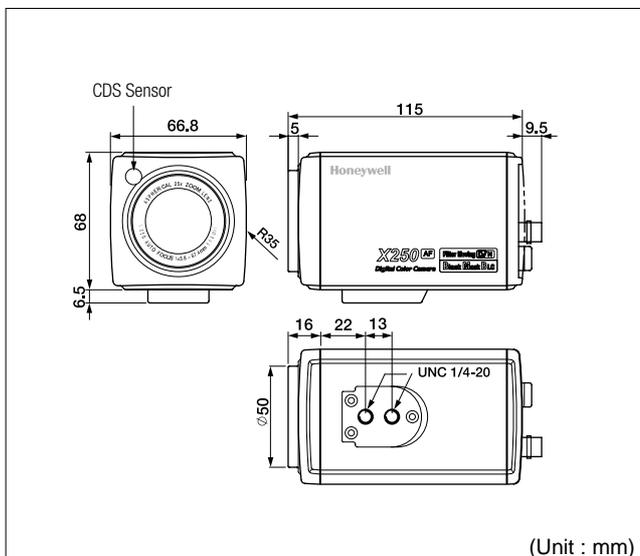- Support Multi protocol for Remote Control

CONNECTIONS

Control Button

S-Video Output

Video Output

Power LED

External Camera Control Connector

Power Input DC12V

PIN Configuration	
PIN No	Description
1	Key1
2	Key2
3	Zoom
4	Focus
5	Menu
6	COM
7	GND
8	GND
9	R+/NC
10	R-/RD
11	T+/TD
12	T-/GND
13	EXT_VD
14	GND

SPECIFICATIONS

Model No.	HZC-755N(X)	HZC-755P(X)
Pick-up Device	1/4" Sony Super HAD CCD (HZC-755N/P) 1/4" Sony EX-view CCD (HZC-755NX/PX)	
Total Pixels	410k Pixels (811(H) x 508(V))	470k Pixels (795(H) x 596(V))
Effective Pixels	380k Pixels (768(H) x 494(V))	440k Pixels (752(H) x 582(V))
Television System	NTSC, 525 Lines, 2:1 Interlace	PAL, 625 Lines, 2:1 Interlace
Lens specifications	x25 (f=3.8 ~ 95mm), F1.6 (Wide) ~ F3.7 (Tele)	
Digital Zoom	x26 ~ x250 Variable (User set x2,x4,x6,x8,x10)	
Sync. System	Internal / VD pulse Lock (Auto Detect)	
Horizontal Resolution	More than 480 TV Lines	More than 470 TV Lines
S / N Ratio	More than 50dB (AGC OFF)	
Minimum Illumination	755N 755P: 1.0 lx (30 IRE) / 0.1 lx (IR Cut Filter OFF, TDN) / 0.01 lx (IR Cut Filter ON, 128 Fields) / 0.001 lx (IR Cut Filter OFF, 128 Fields, TDN) 755N(X) 755P(X): 0.8 lx (30 IRE) / 0.05 lx (IR Cut Filter OFF, TDN) / 0.008 lx (IR Cut Filter ON, 128 Fields) / 0.0005 lx (IR Cut Filter OFF, 128 Fields, TDN)	
Low Shutter Speed	ON / OFF, (x2 ~ x128 Variable)	
Shutter Speed	1/60 ~ 1/10k sec.	1/50 ~ 1/10k sec.
White Balance	ATW / AWC / One Push / Indoor / Outdoor / MWB	
BMB™ Mode	Black / L-Gray / D-Gray / White (16 Areas, 7 Steps level Variable)	
BLC Mode	ON / OFF / ABLC (5 Areas Selectable)	
AGC Mode	OFF ~ 38dB (Variable)	
Day & Night Mode	ON / OFF / Auto	
Privacy Zone Masking	ON / OFF, (8 Zones Set), 7 Color Marked	
Preset	64 Positions Preset	
Mirror	H-Mirror / V-Mirror / Flip	
CDS Sensor	ON / OFF	
On Screen Display	ON / OFF	
Communication	RS-232C / RS-485 / RS-422 (Baud rate Variable)	
Video Output	Composite (1.0Vp-p), 75 Ω	
Power Source	DC 12V ± 2V	
Power Consumption	Max 5.0W (Motor active), Max 3.5W (Motor stop)	
Operating Temperature	-5°C ~ 60°C (Recommended -5°C ~ 50°C)	
Storage Temperature	-20°C ~ 60°C	
Operating Humidity	90 % RH (Non-condensing)	
Color, Material	Light Gray, Aluminum	
Dimensions	66.8(W) x 68(H) x 115(D) mm	
Weight	440 g	
Certification	FCC (HZC-755N(X)), CE (HZC-755P(X))	

DIMENSIONS

CDS Sensor

66.8

68

6.5

5

115

9.5

R35

16 22 13

Ø50

UNC 1/4-20

(Unit : mm)

Zoom in at HZC-755 (f=3.8~95mm)

X1

X25

X45

IR Cut Filter Moving Day & Night

Increase reliability for Day & Night adapting Detect Time and Detect Mode
Apply for various applications

```
<< NIGHTSHOT MODE >>
MODE                    OFF
DETECT TIME             5 sec.
DETECT MODE             BRT
D →N LEVEL              0.1 lx
N →D LEVEL              100 lx
FADE SELECT             OFF
NIGHT COLOR             B/W
RETURN
```

**Day & Night improvement
That use Cds sensor**

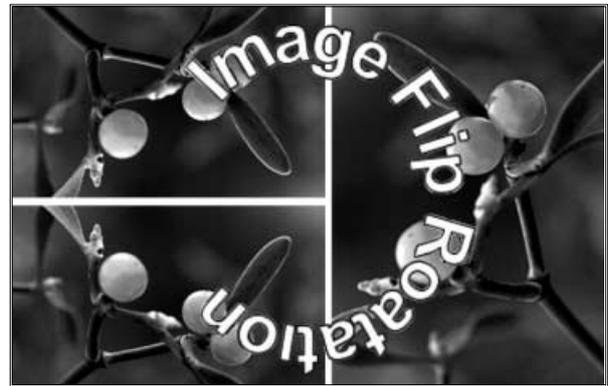Day Time | AUTO > Night Time | AUTO > Day Time

Digital Image Flip Function

When tracking objects moving underneath the camera, conventional images become inverted.
HZC-755N/P digital flip technology solved this problem by digitally inverting the image on the monitor, giving you a continuous shot that is always correctly orientated.

```
<< SPECIAL FUNCTION >>
MIRROR                  OFF
SHARPNESS               10
NEGATIVE                OFF
COLOR                   ON
FREEZE                  OFF
BAUDRATE                9600bps
PROTOCOL                DEFAULT
OSD DISP                ALL
LANGUAGE                ENGLISH
RETURN
```

Image Flip Rotation

BMB™ (Black Masking BLC) Function

BMB™ function can be enhanced the BLC capability to mask the saturation scene making to black.
It can be There are 16 area on BMB™ regions and its level up to 3 steps.

```
<< BLB/BMB MODE >>
MODE                    OFF
BLC LEVEL               24
ABLC WINDOW             234
BMB AREA                AREA 1
BMB LEVEL               LEVEL 7
BMB MASKING             BLACK
RETURN
```
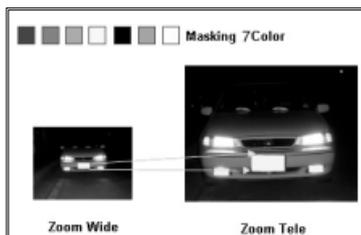
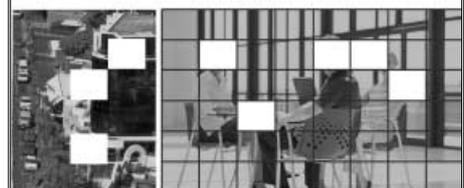BMB Level 1   BMB Level 2   BMB Level 3

Privacy Zone Masking

HZC-755N/P(HZC-755NX/PX) Series mask the unwanted view for privacy protection (up to 8 zones).
Privacy Zone operates with zoom in/out and it increases the effect of privacy protection.

```
<< PRIVACY ZONE >>
ZONE NUM                ZONE 1
CONTROL                 OFF
H CENTER                482
V CENTER                136
PZM WIDTH               16
PZM HEIGHT              8
PZM MASKING             BLUE
RETURN
```

Masking 7Color

Zoom Wide   Zoom Tele

**Privacy Zone Masking
Protects Private Area (8 Area)**