

DL-4052W

Date of Issue

5 APR. 2021

1/9

Revision No.

0.1

APPROVAL SHEETS

DESCRIPTION : **5Mega Pixels 4in1 WDR CAMERA**

MODEL NO. : **DL-4052W**

Customer

| APPROVED | CHECKED | ISSUED |
|----------|---------|--------|
| | | |



DynaLogic Co., Ltd

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DL - F 4 0 5 2W - OSD

1
2
3
4

| | |
|---|--|
| 1 | Miniature bulet Camera |
| 2 | F : Board lens P : Pinhole lens |
| 3 | Board Revision No. |
| 4 | OSD ; Cable with OSD key |

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2. GENERAL SPECIFICATIONS

| | | |
|---------|---|---|
| Camera | Image Device | 1/2.8 type SONY CMOS (IMX3335) |
| | Scanning System | Progressive Scan |
| | Total Pixels | 2704(H) x 2104(V) : 5.69Mega pixel |
| | Effective Pixels | 2616(H) x 1964(V) : 5.14Mega pixel |
| | Lens | Board, Pinhole (M12) |
| | Min. Illumination | Color: DSS: 0.007 Lux, BW DSS: 0.007 Lux |
| | Sync System | Internal |
| | Electronic Shutter | NTSC : 1/30~1/30,000sec, PAL : 1/25~1/25,600sec |
| ISP | Manufacture | EYENIX (EN781) |
| Lens | Mount (M12) | Fixed Lens f=3.6mm/ Pinhole Lens f=3.7mm (P4) |
| Video | Output | AHD/ TVI/ CVI or CVBS (NTSC / PAL) *w/o UTC Function |
| | Resolution& frame rate | (5MP) 1944@20p/12.5p, (4MP) 1440@30p/25p/15p, (2MP) 1080@30p/25p, (1MP) 720@30p/25p |
| OSD | On Screen Display | Cable OSD Key (Option) |
| | Language | English, Chinese, Chinese(S), Japanese, Korean, Russian |
| | LENS | MANUAL |
| | EXPOSURE | BRIGHTNESS/ AGC/ SHUTTER MODE & SPEED/ SENS-UP |
| | WHITE BALANCE | AUTO/AUTO EXT/PUSH LOCK/MANUAL |
| | BACKLIGHT | OFF/ HLC/ BLC/ WDR |
| | DNR | OFF/ LOW/ MIDDLE/ HIGH |
| | DAY&NIGHT | AUTO/ COLOR/ B&W/EXTERN IR |
| | | SMART IR |
| | IMAGE | SHARPNESS/ COLOR LEVEL/ MIRROR/ FLIP/ LENS SHADING/ GAMMA/ D-ZOOM / ACE/ DEFOG |
| SPECIAL | COMM. ADJUST/ PRIVACY/ MOTION DETECT | |
| Others | Operating Temperature | 32°F~158°F (0°C~+70°C) |
| | Storage Temperature | -40°F~257°F (-40°C~+125°C) |
| | Humidity | Less than 80% |
| | Power Consumption | DC12V(±10%), Max.120mA |
| | Options | Lens, Cable OSD function |

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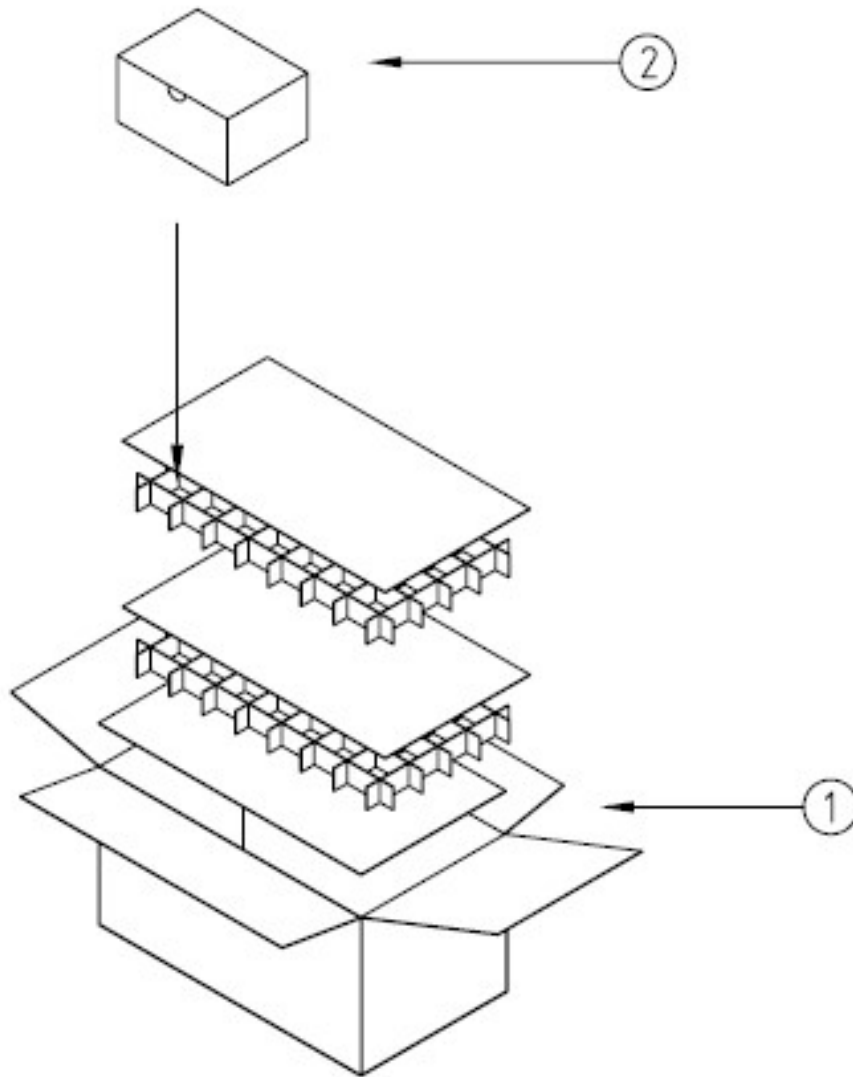
OSD Cable



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5. PACKING (Carton Box)

| NO | DESC |
|----|----------------|
| ① | CARTON BOX |
| ② | UNIT BOX (SET) |



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6. OSD MENU STRUCTURE(1/2)

| SETUP MENU | SUB MENU1 | SUB MENU2 | SUB MENU3 | VALUE | |
|-----------------|---------------|--------------------|------------------------|---|----------|
| LENS | | | | MANUAL/DC | |
| MOTORIZED | AF MODE | | | ONE SHOT / MANUAL | |
| | D&N FILIER | | | SYNC OFF/ON | |
| | INITIAL | | | ON | |
| EXPOSURE | BRIGHTNESS | | | 0 ~ 20 | |
| | SHUTTER MODE | AUTO | | NORMAL, DEBLUR | |
| | | MANUAL | | | |
| | | FLICKERLESS | | | |
| | SHUTTER SPEED | | | 1/30(25),60(50),120(100),250(200),500(400),1K(800),2K(1.6K), 4K(3.2K),8K(6.4K),15K(12.8K),30K(25.6K) | |
| | SENS-UP | | | OFF/ X2/ X4/ X8 / X16 / X32 | |
| AGC | | | 0 ~ 20 | | |
| WHITE BALANCE | AUTO | | | | |
| | AUTO EXT | | | | |
| | PUSH LOCK | | | Press ENTER key | |
| | MANUAL | COLOR TEMP. | | 3000K/ 5000K/ 8000K | |
| | | R-GAIN | | 0 ~ 20 | |
| B-GAIN | | 0 ~ 20 | | | |
| BACKLIGHT | OFF | | | | |
| | HLC | LEVEL | | 0 ~ 20 | |
| | | COLOR | | BLK,WHT,YEL,CYN,GRN,MAG,RED,BLU | |
| | BLC | H-POS | | 0 ~ 26 | |
| | | V-POS | | 0 ~ 32 | |
| | | H-SIZE | | 0 ~ 26 | |
| | | V-SIZE | | 0 ~ 32 | |
| | WDR | WDR MODE | | | FRAME |
| | | ROI MODE (BOX) | WINDOW SEL | | 0 ~ 3 |
| | | | WINDOW MODE | | OFF/ ON |
| | | | H-POS. | | 0 ~ 2608 |
| | | | V-POS. | | 0 ~ 1960 |
| | | | H-SIZE | | 0 ~ 2608 |
| | | | V-SIZE | | 0 ~ 1960 |
| | | ROI MODE (POLYGON) | WINDOW SEL | | 0 ~ 3 |
| WINDOW MODE | | | | OFF/ ON | |
| POS0-X ~ POS3-X | | | | 0 ~ 1326 | |
| POS0-Y ~ POS3-Y | | | 0 ~ 990 | | |
| WEIGHT | | | LOW/ MIDDLE/ HIGH | | |
| DNR | | | OFF/ LOW/ MIDDLE/ HIGH | | |
| DAY&NIGHT | AUTO | DWELL TIME | | 0 ~ 9sec, 1sec/step | |
| | | D>N THRES | | 0(bright) ~ 20(dark) | |
| | | N>D THRES | | 0(bright) ~ 20(dark) | |
| | COLOR | | | | |
| | B&W | | | | |
| | EXTERN / IR | DWELL TIME | | 0 ~ 9sec, 1sec/step | |
| | | CDS POLARITY | | LOW/HIGH | |
| | | SMART IR | | OFF/ ON | |
| SMART IR LEVEL | | | 0 ~ 20 | | |
| IMAGE | SHARPNESS | | | 0 ~ 10 | |
| | COLOR LEVEL | | | 0 ~ 20 | |
| | MIRROR | | | OFF/ ON | |
| | FLIP | | | OFF/ ON | |
| | LENS SHADING | OFF/ ON | | WEIGHT 0~100% | |
| | GAMMA | | | 0.45/ 0.55/ 0.65/ 0.75 | |
| | D-ZOOM | | | 1~16X | |
| | ACE | | | OFF/LOW/ MIDDLE/ HIGH | |
| DEFOG | OFF/ON | AUTO/MANUAL | LOW/ MIDDLE/ HIGH | | |

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6. OSD MENU STRUCTURE(2/2)

| | | | | | | |
|-------------|-----------------|-----------------|--|---|---------|-------|
| SPECIAL | COMM. ADJUST | CAM ID | | 0 ~ 255 | | |
| | | BAUDRATE | | 2400,4800,9600,19200,38400,57600,115200 | | |
| | | PROTOCOL | | PELCO-D, D-LOGIC | | |
| | PRIVACY | BOX | | OFF/ON | | |
| | | | MASK SEL | | 0 ~ 15 | |
| | | | MASK MODE | | OFF/ ON | |
| | | | H-POS | | 0 ~ 81 | |
| | | | V-POS | | 0 ~ 61 | |
| | | | H-SIZE | | 0 ~ 81 | |
| | | | V-SIZE | | 0 ~ 61 | |
| | | | Y LEVEL | | 0 ~ 20 | |
| | | | CB LEVEL | | 0 ~ 20 | |
| | | | CR LEVEL | | 0 ~ 20 | |
| | | | TRANS | | 0 ~ 3 | |
| | | | POLYGON | | OFF/ON | |
| | | | | MASK SEL | | 0 ~ 7 |
| | | MASK MODE | | | OFF/ ON | |
| | | POS0-X ~ POS3-X | | | 0 ~ 162 | |
| | | POS0-Y ~ POS3-Y | | | 0 ~ 122 | |
| | | Y LEVEL | | | 0 ~ 20 | |
| | | CB LEVEL | | | 0 ~ 20 | |
| | | MOTION | | OFF/ON | | |
| | | | DET WINDOW | WINDOW SEL | | 0 ~ 3 |
| | WINDOW MODE | | | | OFF/ ON | |
| | DET H-POS | | | | 0 ~ 60 | |
| | DET V-POS | | | | 0 ~ 34 | |
| | DET H-SIZE | | | | 0 ~ 60 | |
| DET V-SIZE | | | | 0 ~ 34 | | |
| SENSITIVITY | | 0 ~ 10 | | | | |
| MOTION OSD | | OFF/ON | | | | |
| TEXT ALARM | | OFF/ ON | | | | |
| SYSTEM | OUTPUT | FRAME RATE | | (5MP) 1944@20p/12.5p, (4MP) 1440@30p/25p/15p, (2MP) 1080@30p/25p, (1MP) 720@30p/25p | | |
| | | FREQ | | 60Hz(NTSC)/50Hz(PAL) | | |
| | | SDI MODE | | OFF | | |
| | | ANALOG MODE | | OFF/CVBS/HDT/HDC/HAD | | |
| | | CONFIRM | | YES (Press ENTER key) | | |
| | LANGUAGE | | ENG/ CHINESE/ CHINESE(S)/ JAPANESE/ KOR/ Russian | | | |
| | CAM TITLE | OFF | | | | |
| | | RIGHT UP | | 0 ~ 9, A ~ Z, blank | | |
| | | LEFT DOWN | | 0 ~ 9, A ~ Z, blank | | |
| | FACTORY DEFAULT | FACTORY DEFAULT | | ON | | |
| EXIT | | | Exit SETUP menu | | | |

To open the Menu, Hold down the Center Key

Up + Up + Up + Enter : HDA ON
Down + Down + Down + Enter : HDC ON
Right + Right + Right + Enter : HDT ON
Left + Left + Left + Enter : CVBS ON