

INSTALLATION & OPERATION MANUAL

9-inch LCD Quad Color Monitor

4-pin camera connections | AHD / CVBS | Four-channel viewing



9-inch color LCD display with quad viewing, speaker, OSD lock, polymer housing, sun shield and custom triggers. Non-touchscreen design with 4-pin aircraft connections, T-slot, AMPS and cradle mounting. Power harness included.

IMPORTANT: Read this manual before installing. Do not open the monitor housing. There are no serviceable parts inside. Opening the housing will void your warranty.

1. Button Functions

a. Power Button



(Power on and off function)

b. Menu sign button



- Function1: Menu setting function
- Function2: Confirm and return back to last menu after setting
- Function3: Long press 10 seconds to lock menu and unlock the menu.

c. CH1 and Left sign button



- Function 1: Not in menu, Press it to show CH1 video
- Function 2: In menu, it can get into secondary menu and decreases value of setting

d. CH2 and Right sign button



- Function 1: Not in menu, Press it to show CH2 video
- Function 2: In menu, it can get into secondary menu and increase value of setting

e. CH3 and down sign button



- Function 1: Not in menu, Press it to show CH3 video
- Function 2: In menu, it is down list function

f. CH4 and up sign button



- Function 1: Not in menu, Press it to show CH4 video
- Function 2: In menu, it is up list function

f. Mode sign button



- Function: Not in menu page, it is to swift split screens, dual, triple, quad types.

2. All Menu Details Functions

a. Picture

- It is to change value for each camera video after connecting the camera.



b. Volume

- To set up volume for speaker



c. Rotate

- To rotate the video direction 01, 02, 03, 04.



d. Blue screen

- Default setting is black. Change to on, it will show blue screen .

e. Auto cycle

- Default setting is off . After turn on , screen will show “auto”, then screen will cycle channel 1, channel 2, channel 3, channel 4.

f. Language

- Default setting : English . There is no other language

g. Trigger

- Priority: T1>Hazard (T2+T3)>T2> T3>T4
- Each PRI: It is ok to setting as customer wish . There are Options: Off, R, A,B, C, Dual1, Dual2, Triple1, Triple3, Quad1, Quad2.
- PRI Hazard: Working condition are Trigger2 and trigger3 working at the same time, also has chosen the camera that customer want to display.



h. Zoom

- It is ok to zoom the video

i. Split

- secondary menu

Function: It is ok to set up each type split screen with different cameras combination. It is ok to turn off too. Pls check below pic:



j. Acc Delay

- Each channel can set up 1sec to 20 secs delay time to make camera to display .

k. Guide line

- It is ok to make guild line on each camera if customer needs .

l. Video Rotate

- It is ok to set up each camera rotate separately.
- There are 4 options: RU, LU, RD, LD. RU means “right up”, LU means “Left up”, RD means “right down“, LD means “Left down“



m. Default setting



n. Version

- Final revising software version : 26011401

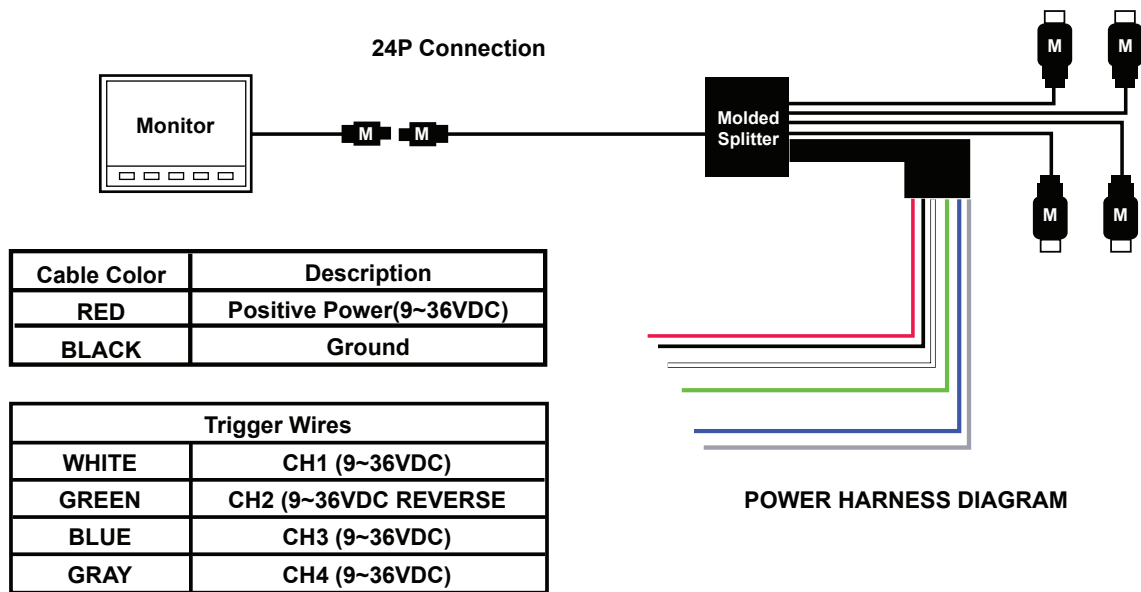
3. Specs and Features

PRODUCT FEATURES AND SPECS	
• 9" IPS LCD Hybrid [AHD/CVBS] Display	• Resolution 1024(W) x 600(H)
• 16:9 Wide Screen Display	• Power Supply: DC9~36V
• NTSC/PAL Auto Switching	• 4CH CVBS/AHD Signal Inputs, Supports 4-Split Image

4. Monitor and Power Control

- Four 4p Aircraft connectors for the camera inputs
- Connect the cameras to the monitor supplied power harness
- Monitor will deliver power to the camera through the supplied monitor power harness

5. Monitor Power Harness



6. Screen Display Options

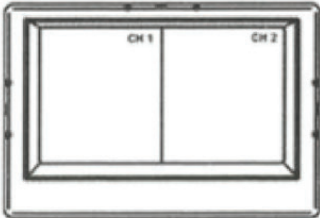
SCREEN DISPLAY OPTIONS

IMPORTANT

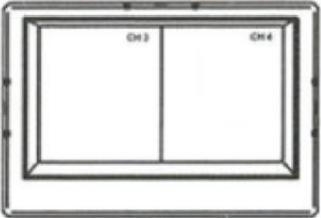
This ECAM194HDR-4A Monitor is designed to automatically switch each of the 4 cameras to a full-screen display with a 12VDC trigger. The multiple image display option below provides up to 10 screen display options that may be used to provide the default screen that will be displayed when the trigger is not engaged.

Cable Color	Description
RED	Positive Power (9~ 36VDC)
BLACK	Ground

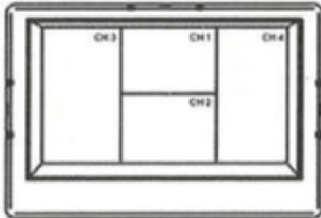
TRIGGER WIRES	
WHITE	CH1 (9~ 36VDC)
GREEN	CH2 (9~ 36VDC - REVERSE)
BLUE	CH3 (9~ 36VDC)
GRAY	CH4 (9~ 36VDC)



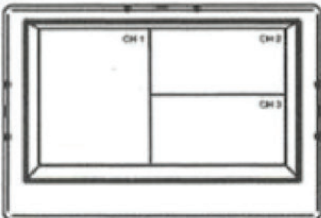
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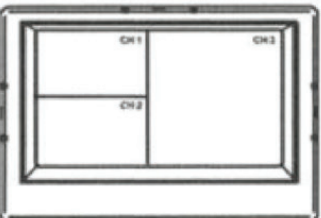
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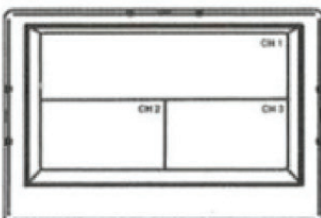
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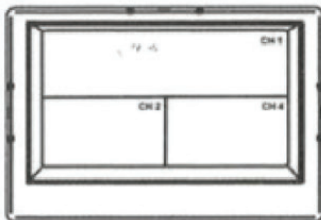
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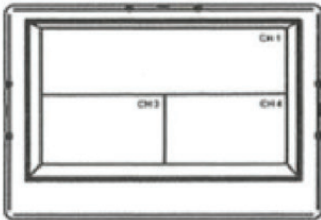
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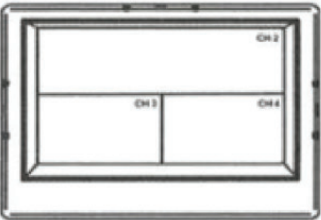
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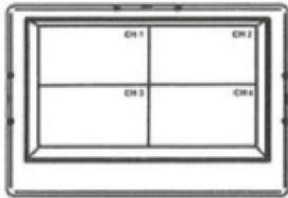
7



8



9



10

7. Warnings

CLEANING and GENERAL MAINTENANCE

- Cool off the inside of the vehicle when the inside of the vehicle temperature is high from the long term direct sun light.
- Clean the unit with a slightly damp soft cloth. Use a mild household detergent.
- Never use strong solvents such as thinner or benzine as they might damage the unit.
- Do not attempt to service this system without authorized personnel, it may expose to dangerous voltage or other hazards.
- Refer all servicing to qualified service personnel.

FCC COMPLIANCE STATEMENT

- This equipment has been tested and found to comply with limits for a Class A digital device, pursuant to part 15 of the FCC rules
- These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
- This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications.
- Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user authority to operate the equipment