

CM-6431A

6.4" TFT LCD COLOR DISPLAY

FEATURE

2 VIDEO INPUTS

NTSC & PAL AUTO-SWITCH

MIRROR FUNCTION

PICTURE ON DEMAND & POWER SAVING

" NO SIGNAL, NO POWER "

WIDE OPERATING POWER RANGE

" 10 V ~ 30 V "

CM-6431A has two video input. Video source ("video 1" or "video 2") can be selected by "SELECT" button.

CM-6431A can accept both of NTSC and PAL systems and switch automatically. Image will roll for 1 second when it is investigating video system.

The display will be switched forcedly to "video 2" source and left/right image will be reversed forcedly when brown wire gets a Vcc input (5~30V).

Power will be off automatically after 6 seconds without any video signal inputs. And power will on automatically when either video signal input ("video 1" or "video 2") exists if power switch is on. It means to set power switch at "ON" situation and then power on/off of CM-6431A will be dependent on whether there is video signal input or not.

CM-6431A allows DC power input within 10V to 30V.

SPECIFICATION

DISPLAY	6.4" COLOR TFTLCD	
RESOLUTION	960(H) x 234(V)	
ACTIVE AREA	129.6(H) x 97.34(V)	
DOT PITCH	0.135(H) x 0.416(V)	
BACK LIGHT	CCFT	
INPUT SIGNAL	NTSC & PAL (auto-switch)	
	composite video signal	
	1 Vp-p / 75 ohm	
	NTSC	PAL
f_H	15.75 KHz	15.526 KHz
f_V	60 Hz	50 Hz
f_{sc}	3.58 MHz	4.43 Mhz

POWER SOURCE

DC 12V ~ 24V
(ripple 0.5 Vp-p max.)

RANGE OF OPERATING VOLTAGE POWER CONSUMPTION RESPONSE TIME

DC 10V ~ 30V
8W max.

Tr = 30ms max.

Tf = 50ms max.

CONTRAST RATIO

Typ. 150

at optimized viewing angle

BRIGHTNESS

Typ. 300 nit

VIEWING ANGLE

TOP 40 deg.

BOTTOM 55 deg.

LEFT/RIGHT 60 deg.

OPERATING TEMPERATURE

0°C ~ 60°C

STORAGE TEMPERATURE

-30°C ~ 80°C

OPERATING HUMIDITY

85% RH max.

STORAGE HUMIDITY

85% RH max.

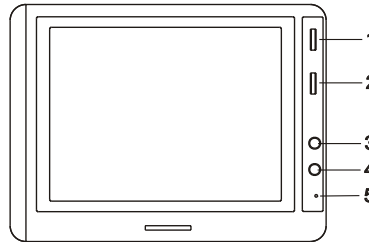
OVERALL DIMENSION

180(W) x 135(H) x 35(D)

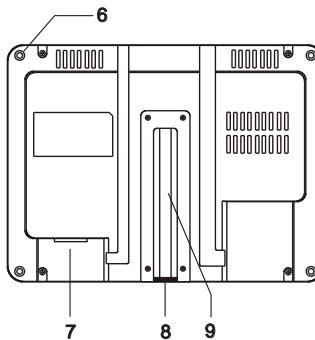
WEIGHT

525 ± 5g

APPEARANCE

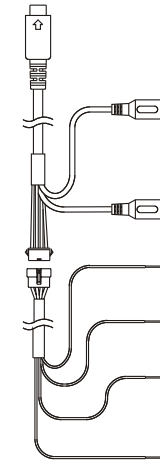
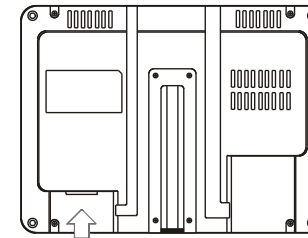


1. BRIGHTNESS
2. COLOR
3. SELECTION
BUTTON (to select
video 1 or video 2)
4. POWER ON/OFF
5. POWER INDICATOR



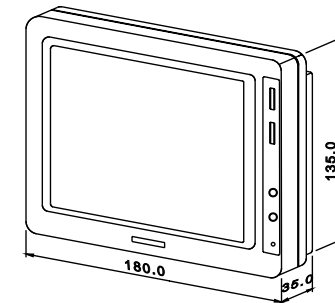
6. SCREW HOLES
(4 screw holes for
fixing this display
from back)
7. INPUT DIN JACK
FOR POWER AND
SIGNAL
8. FIXING NUT
9. SLOT FOR FIXING

INSTALLATION



- YELLOW RCA JACK
Input of video 1 source
- BLUE RCA JACK
Input of video 2 source
- RED WIRE
To connect DC power (12~24V)
- ORANGE WIRE
For external power on/off control
To force the screen to display video 1
and power always on when there is a
input of voltage (10~30V).
- BLACK WIRES
Connect to ground.
- BROWN WIRE (for mirror function)
To force the screen to display video 2
source and image will be reversed when
there is a input of voltage (5~30V).

DIMENSION



CAUTION

1. Don't expose to direct sunlight. (refer to specification)
2. Don't expose temperature extremes. (refer to specification)
3. Avoid dropping and strong impact.
4. Avoid wet and dust.
5. Never attempt to take apart and maintain by yourself.