

AFOLUX Multimedia Monitors



A. AFL-xxM Series

Touch Monitors

- **Touch Screen Features:**
 - Touch system draws your customers in and keeps them involved and quickly control the system just by simple touch.
 - Finger, gloved hand and stylus activation
- **Applications:** POS / KIOSK / ATM machine.



B. AFL-xxMA Series

AR/AG Protection 8H Tempered Glass Monitors

- **Tempered Glass Features:**
 - Easy cleaning
 - Scratch proof
 - Surface anti-reflection treatment decreases glare and reflections and increases contrast
 - Improved eye comfort
 - High Transmission
- **Applications:** Digital signage / Gaming / Betting / Check-In Terminal / Medical



A. 7"~42" AFOLUX Touch Monitors

with durable 4/5-wire resistive touch screen

Interactive Digital Signage

4/5-wire resistive touch screen

Interactive platform attracts people's attention. It draws your customers in and keeps them involved. Use it for product or service information, directories, check-in services and exhibit details so your customers have the information they need right at their fingertips .

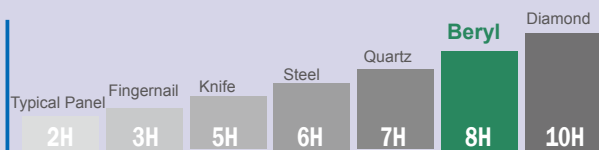
Optional USB/RS-232 Touch Screen Interface (Dual 2-in-1 USB and RS-232 interface for 7" to 12.1" AFOLUX monitors)

B. 7"~42" AFOLUX AG/AR Tempered Glass Protection Monitors

with high efficiency Anti-Reflection treatment

Stronger Protection

IEI AFOLUX tempered glass monitor's 8H hardness through strict testing is stronger than the conventional panel and therefore is able to protect the screen from damage ,offers protection solutions for a wide variety of applications.



Hardness Test (JIS-K5600)



Abrasion Test (Steelwool #0000)

W/O AR Coating

With AR Coating



- Reduced intensity of reflected light
- No image distortion
- Higher contrast
- Wider viewing angles
- Colors are more vibrant

Anti-reflection coated over the glass surface

AFOLUX tempered glass monitor series with special AR coating (anti-reflection) are specially engineered to reduce reflection and increase transmission of light to get better image.

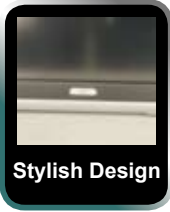
Easy Cleaning

AFOLUX tempered glass protection monitor series equipped with the tempered glass can be easily cleaned with water, alcohol or common cleaning solution without losing its optical characteristics and scratching the surface.



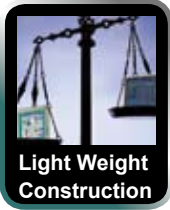
- 8H Hardness
- Scratch proof
- Easy to clean
- Impact resistant

Features



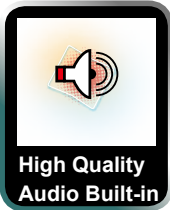
Stylish Design

The clean and refreshingly simple looks of the AFOLUX monitors provide an aesthetic interface for public area applications (e.g. ATMs) and industrial solutions (e.g. operator terminal).



Light Weight Construction

Light weight construction ensures the AFOLUX can be rack mounted, panel mounted and mounted on a VESA stand.



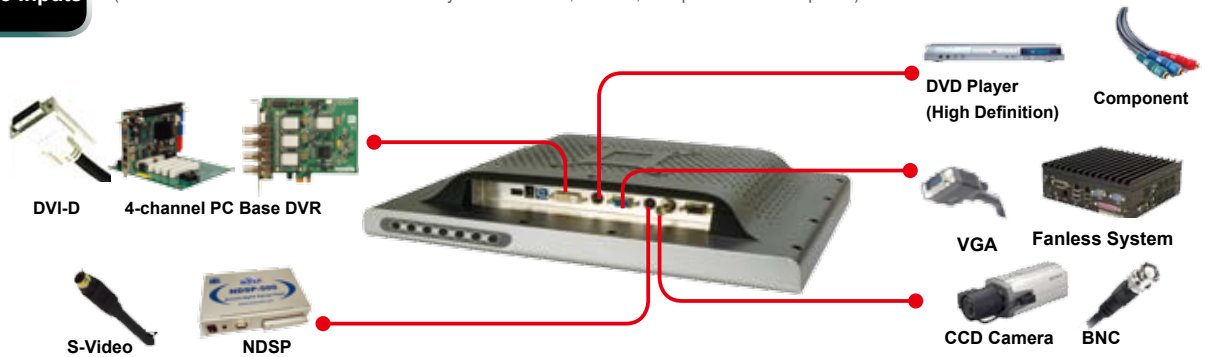
High Quality Audio Built-in

Two built-in speakers deliver dual 1.5/3 watts sound for your multimedia enjoyment.



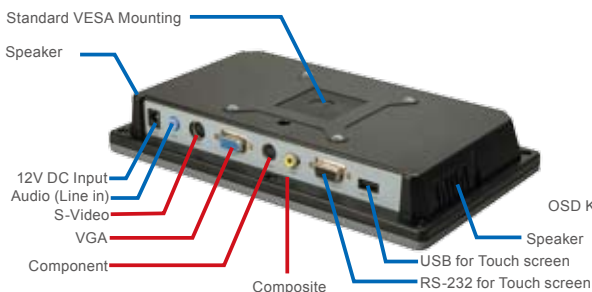
5 Video Inputs

The AFL-15M/17M/19M have multiple video inputs through common video connectors including VGA, DVI-D, S-Video, component and BNC video input interfaces. The 5-in-1 system connects to a wide range of devices and most electronic appliances. (The AFL-07M/08M/10M/12M has a 4-in-1 system with VGA, S-Video, Component and Composite)



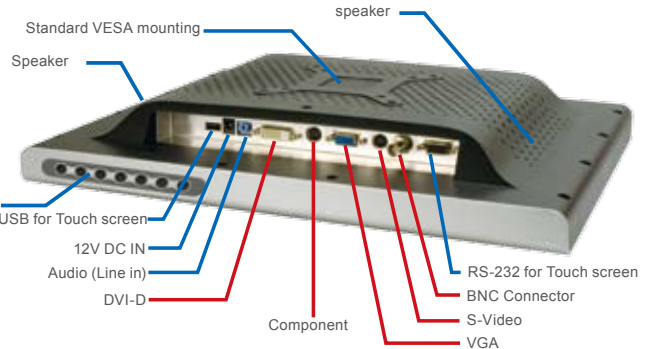
7"~12.1" AFOLUX Monitor

4-in-1 Multiple Video Input System

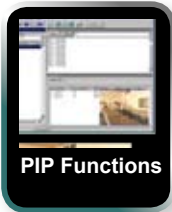


15"~19" AFOLUX Monitor

5-in-1 Multiple Video Input System (DVI-D Added)



Features



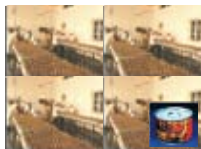
PIP Functions

PIP enables a second video/image to be viewed in a small on-screen window. Images from other sources including DVR and DVD devices can also be viewed in the PIP window.

The small onscreen window can be easily resized and moved to a specified onscreen location. Alternatively, "picture-outside-picture" (POP) can be implemented by dividing the screen into two equally sized portions with two different outputs being displayed on either screen.

PIP Settings :

- Three sizes including small, medium and large
- Four positions including upper left, lower left, upper right and lower right.
- Independent PIP widow color controls (brightness, contrast, hue and saturation)
- A blend function makes the PIP transparent



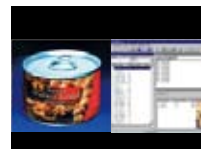
Picture In Picture
(Video on Video)



Side by Side
(Video & Video)



Picture In Picture
(Video on Graphics)



Side by Side
(Video & Graphics)

Main screen and sub screen can't display BNC/S-Video or VGA/YPbPr inputs at the same time



Full OSD Functions

Integrated OSD functions under the front panel enables convenient monitor configuration. Image, display ,PIP, color and system configurations can all be set with the hidden OSD.



Image



System



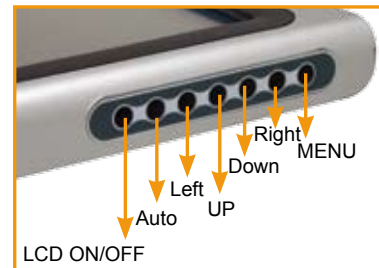
Color



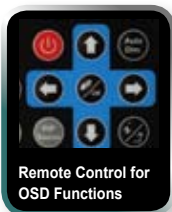
PIP



Display

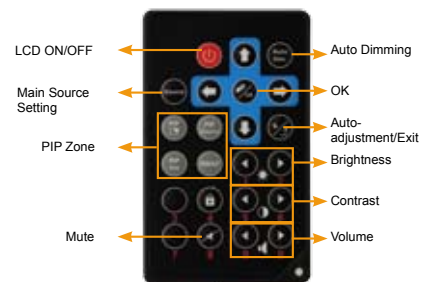


OSD Keypad is designed for AFL-15M/17M/19M



Remote Control for OSD Functions

Hot-keys on the remote control include PIP zone, main source setting, auto-dimming, brightness, contrast and volume. Remote control hot-keys ensure easy configuration of the AFOLUX.



Ambient Light Sensor

The AFOLUX 15M, 17M and 19M models with a mbient light sensor ensures your monitor performs optimally in all lighting conditions.

The ambient ALS can be turned on or off according to the users preference and the operational environment. Some of the AFL benefits include:

- Reduces cost of operation by reducing the power usage
- Extends backlight life
- Provides comfortable viewing



Higher Ambient Illuminance

Lower Ambient Illuminance

ALS is placed on the front side ,where there is an opening for light

Specifications



Model	AFL-07M/MA	AFL-08MH/MA	AFL-10M/MA	AFL-12M/MA	AFL-15M/MA	AFL-15ME/MAE	AFL-17M/MA	AFL-19M/MA
Display Size	7"	8.4"	10.4"	12.1"	15"		17"	19"
Max Resolution	800 x 480 (WVGA)	800 x 600 (SVGA)	800 x 600 (SVGA)	1024 x 768 (XGA)	1024 x 768 (XGA)		1280 x 1024 (SXGA)	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350	450	400	450	350	250	300	300
Contrast Ratio	400:1	500:1	500:1	700:1	400:1	600:1	800:1	800:1
LCD Color	262K	262K	16.2M	262K	262K	16.7M	16.7M	16.7M
Pixel Pitch (mm)	0.1905(H) x 0.1905(V)	0.213(H) x 0.213(V)	0.0685(H) x 0.2055(V)	0.240(H) x 0.240(V)	0.297(H) x 0.297(V)		0.264(H) x 0.264(V)	0.294(H) x 0.294(V)
Viewing Angle (H/V)	140°/100°	120°/100°	120°/100°	160°/160°	120°/100°	160°/160°	160°/160°	
Backlight MTBF (Hrs)	30000	50000				40000	50000	
Input Video Signal Connector	1. Composite (NTSC/PAL) 2. YPbPr 3. S-Video 4. VGA				1. BNC Connector (NTSC/PAL) 2. YPbPr 3. S-Video 4. VGA 5. DVI			
Audio In	AMP 1.5W + AMP 1.5W (internal speaker)						AMP 3W + AMP 3W (internal speaker)	
Extension	IR Sensor (Remote Control)				1. Ambient Light Sensor 2. IR Sensor (Remote Control)			
Construction Front Panel	ABS and PC Plastic front frame							
Construction Chassis	Aluminum Chassis							
Power Adapter	36W				60W			
On Screen Display (OSD)	Remote Control for OSD Functions				1. OSD Keypad below the Front Panel 2. Remote Control for OSD Functions			
User's Controls	Image (Brightness, Contrast, Sharpness), Display (Auto Adjust, Phase, Clock, Display Control) PIP (Pip On/Off, Pip Input Select, Pip Size, Pip Position, Pip Color Controls, Blend) Color (Auto Color, Color Temperature, sRGB) System (Audio, Factory Reset, Information, Input select, Misc)				OSD Buttons: Power, Left, Up, Down, Right, Menu OSD: Image (Brightness, Contrast, Sharpness), Display (Auto Adjust, Phase, Clock, Display Control) PIP (Pip On/Off, Pip Input Select, Pip Size, Pip Position, Pip Color Controls, Blend) Color (Auto Color, Color Temperature, sRGB) System (Audio, Factory Reset, Information, Input select, Misc)			
Mounting	Panel / Wall mounting (VESA 75 x 75mm)		Panel / Wall mounting (VESA 75 x 75mm / 100 x 100mm)		Wall mounting (VESA 100 x 100mm)			
Dimension (WxHxD) (mm)	226 x 140 x 40.18	233.86 x 183.86 x 41.09	276 x 227 x 50.7	304 x 246 x 49.5	393.06 x 308.06 x 61		428 x 350 x 65	469.94 x 382.46 x 67
Operation Temperature (°C)	0~+50°C							
Net Weight (Kg)	0.88	1.14	1.33	2.12	3.2	5.0	5.6	
Front Panel Protection	IP 64 Compliant							

Note: 1. The model name "A" stands for advanced model with AG/AR tempered glass protection
2. The model name "E" stands for entry level panel with 250 nits

Options

	AFL-07M/MA	AFL-08MH/MA	AFL-10M/MA	AFL-12M/MA	AFL-15M/MA	AFL-17M/MA	AFL-19M/MA
Panel Mounting kits	AFLPK-08		AFLPK-12		AFLPK-15	AFLPK-17	AFLPK-19
Wall Mounting kits	AFLWK-12				AFLWK-19		
Rack Mounting Kits	AFLRK-07	AFLRK-08	AFLRK-10	AFLRK-12	AFLRK-15	AFLRK-17	N/A
LCD Monitor Stand	STAND-A08/STAND-100-RS/STAND-150-RS		STAND-A12/STAND-100-RS/STAND-150-RS		STAND-A19/STAND-B19/STAND-210-RS		
VSTAND	VSTAND-A07	VSTAND-A10		VSTAND-A12	N/A		
DC to DC converter module	IDD-930160-KIT						

Packing List

Item	Part No.	Remark
Power Cord	32000-000002-RS	Length:180cm
VGA Cable	32000-036200-RS	Length:180cm
Audio Cable	32000-036500-RS	Length:180cm
Component Cable	32000-083700-RS	Length:10cm
Component Extend Cable	32000-088100-RS	Length:170cm
DVI Cable	32000-086600-RS	Length:180cm for AFL-15M / 17M / 19M
36W Power Adapter	63000-FSP0361AD101C-RS	for AFL-07M / 08M / 10M / 12M
60W Power Adapter	63000-FSP0601AD101C-RS	for AFL-15M / 17M / 19M
User's Manual CD-ROM	7B000-000087-RS	
Remote Control	7Z000-8T00322ICP01G-RS	
Touch Pen	XTR104-0002-RS	for Touch Screen Models
Touch Screen RS-232 Cable	32000-000098-RS	Length:180cm for Touch Screen Models
Touch screen USB cable	32000-045801-RS	Length: 150cm for touch screen models



Optional 60W DC/DC Converter Module Spec (P/N:IDD-930160-KIT)

Input Voltage	9~30VDC
Input Current	Max. 8A at 6VDC
Output	12V@5A
Max. Total Output	60W
Performance Characteristics	Noise & ±Ripple:<320mV, Line Regulation: <120mV, Load Regulation: <120mV
Transient toggle rate	250Hz (50% duty ratio)
Transient current step	From 0% to 50% and 50% to 100% of max current
Efficiency	typ. 95% (Vin=12V, 80% of full load)
Dimensions	42mm x 103mm x 31mm
Mounting Kit	12mm x 80mm
Cable Length	180cm
Operating Temperature	-40°C~85°C



60 W DC/DC converter module can be easily mounted in the vehicle equipment to supply DC power source.

Ordering Information

- Note: 1. The model name "A" stands for advanced model with AG/AR tempered glass protection
2. The model name "E" stands for entry level panel with 250 nits

AFOLUX Touch Monitor Series

Part NO	Description
AFL-07M/T-R-R11	7" 350cd/m ² WVGA LCD monitor, plastic front panel, gray color, with 7" RS-232 and USB touch screen, RoHS
AFL-08MH/T-R-R11	8.4" 450cd/m ² SVGA LCD monitor, plastic front panel, gray color, with 8.4" RS-232 and USB touch screen, RoHS
AFL-10M/T-R-R11	10.4" 400cd/m ² SVGA LCD monitor, plastic front panel, gray color, with 10.4" RS-232 and USB touch screen, RoHS
AFL-12M/T-R-R11	12.1" 450cd/m ² XGA LCD monitor, plastic front panel, gray color, with 12.1" RS-232 and USB touch screen, RoHS
AFL-15M/T-R-R11	15" 350cd/m ² XGA LCD monitor, plastic front panel, gray color, with 15" RS-232 touch screen, RoHS
AFL-15ME/T-R-R11	15" 250cd/m ² XGA LCD monitor, plastic front panel, gray color, with 15" RS-232 touch screen, RoHS
AFL-15M-USB/T-R-R11	15" 350cd/m ² XGA LCD monitor, plastic front panel, gray color, with 15" USB touch screen, RoHS
AFL-15ME-USB/T-R-R11	15" 250cd/m ² XGA LCD monitor, plastic front panel, gray color, with 15" USB touch screen, RoHS
AFL-17M/T-R-R11	17" 300cd/m ² SXGA LCD monitor, plastic front panel, gray color, with 17" RS-232 touch screen, RoHS
AFL-17M-USB/T-R-R11	17" 300cd/m ² SXGA LCD monitor, plastic front panel, gray color, with 17" USB touch screen, RoHS
AFL-19M/T-R-R11	19" 300cd/m ² SXGA LCD monitor, plastic front panel, gray color, with 19" RS-232 touch screen, RoHS
AFL-19M-USB/T-R-R11	19" 300cd/m ² SXGA LCD monitor, plastic front panel, gray color, with 19" USB touch screen, RoHS

Note: Dual 2-in-1 USB and RS-232 interface for 7" to 12.1" AFOLUX monitors

NEW! AFOLUX AG/AR Tempered Glass Protection Monitor Series

Part NO	Description
AFL-07MA-R10	7" 350cd/m ² WVGA LCD monitor, plastic front panel, gray color, with AG/AR tempered glass protection, RoHS
AFL-08MA-R10	8.4" 450cd/m ² SVGA LCD monitor, plastic front panel, gray color, with AG/AR tempered glass protection, RoHS
AFL-10MA-R10	10.4" 400cd/m ² SVGA LCD monitor, plastic front panel, gray color, with AG/AR tempered glass protection, RoHS
AFL-12MA-R10	12.1" 450cd/m ² XGA LCD monitor, plastic front panel, gray color, with AG/AR tempered glass protection, RoHS
AFL-15MA-R10	15" 350cd/m ² XGA LCD monitor, plastic front panel, gray color, with AG/AR tempered glass protection, RoHS
AFL-15MAE-R10	15" 250cd/m ² XGA LCD monitor, plastic front panel, gray color, with AG/AR tempered glass protection, RoHS
AFL-17MA-R10	17" 300cd/m ² SXGA LCD monitor, plastic front panel, gray color, with AG/AR tempered glass protection, RoHS
AFL-19MA-R10	19" 300cd/m ² SXGA LCD monitor, plastic front panel, gray color, with AG/AR tempered glass protection, RoHS