

Technical Specification

6×6mm 1080P AHD Camera Module with 7-inch Monitor System model Number: [AC-606K](#)

Product Overview

A complete AHD camera and display solution, combining 6×6mm 1080P AHD module with a 7-inch monitor for real-time monitoring, The 6*6mm 1080P AHD Camera Module with 7-inch Monitor System is a complete, ultra-compact surveillance kit for immediate deployment in security and monitoring. It combines high-definition imaging with a portable monitor, suited for US and EU applications requiring quick setup and wide coverage

Key Features

- Ultra-tiny camera: 6*6mm for hidden installations.
- 7-inch monitor with real-time display and playback.
- PAL/NTSC support for international compatibility.
- 7-inch monitor with real-time display and playback.
- AHD output for long-distance transmission (up to 500m).
- Easy plug & play integration
- Durable design for field use

Typical Application Scenarios

- Portable inspection systems
- Security monitoring
- Robotics and automation
- Retail embedded vision
- Testing instruments

Custom-made

Available camera lens options: 90°, 120°, 150° (customizable)

Connector: BNV/RCA / customizable wiring harness

Video/camera resolution: we have another 720p AHD camera 6*6mm model

Customizable interfaces and monitor upgrades (to 10-inch or smaller 5inch)

Reliability & Compliance

- CE, FCC, RoHS certified
- Passed 48h burn-in test @ 60°C
- Shock & vibration tested

Miniature AHD Camera module:



Model No.	AC-601
Sensor	CMOS 1/4" MP AHD
Resolution	1920*1080P@30FPS, PAL (NTSC is optional)
Output	AHD, RCA / BNC
DFOV	30°~120° optional
Focus	Manual
White balance	Auto
Dimension	PCB: 6*6mm
Length of cable	20cm~2M, standard 0.5M
Power	12V / 50mA
Temperature	-10~+60℃

Default Lens type: m5.5 mount type

Interface options

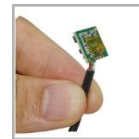


RCA+DC



BNC+DC

Custom-made



Support custom designed PCB shape and size, camera housing and cable and interface.

Product kit picture as following



Specification of 7inch AHD monitor Model Number: AHD-7

- ◆ CPU: ARK141M
- ◆ 7-inch A-gauge IPS digital screen (parameters):
Resolution: 1024 (W) * 3 RGB * 600 (H),

Brightness: 500cd/m2,

Contrast ratio: 350:1,

Viewing Angle: Left/Right/Up/Down (Full Viewing Angle)

◆ Working voltage: DC 12V_DC 36V

Power consumption: 6.5W

◆ Detachable sun canopy

◆ Product function parameter selection operation mode: button or remote control

◆ Self-adjustable items in the use of the product:

There are 11 split modes for brightness, contrast, chromaticity, image inverted/mirrored image, and selectable display

◆ Language self-adjustment optional: Chinese, English

◆ Power off can remember the display status before shutting down

◆ Four video signal inputs (compatible with AHD/CVBS signals)

◆ Reversing priority (the machine can come with a reversing ruler line), four trigger lines: V4>V3> V2>V1

◆ Bare metal weight: 0.36KG, bare metal size: 12*18CM, weight including packaging accessories: 0.95KG, 10 sets/box

Typical Applications in United States

- Portable security: Temporary monitoring in Chicago retail stores.
- Vehicle surveillance: Cabin oversight in Dallas fleets.
- Industrial inspection: Fault checking in Detroit conveyor systems.
- Agricultural oversight: Livestock monitoring in Iowa farms.
- Vending machine security: Anti-vandalism in Cleveland kiosks.
- Home surveillance: Discreet setups in San Jose smart homes.

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