



# Specifications For Product : TT-12iD

## Camera

### Image pick-up device

1/2.8" CMOS sensor 3,400,000 pixels

### Total pixels

2,144 (H) x 1,588 (V)

### Effective pixels

1,920 (H) x 1,536 (V)

### Frame rate

30 fps

### Resolution

Analog RGB: 800 (H) x 800 (V) TV lines or more

## Optics

### Zoom

Powered, 12x optical

### Lens

F3.2-3.6, f=4.0 mm- 48.0 mm

### Shooting area

**1080p:** Max. 16 9/16" x 9 3/16" (420 x 233 mm) Min. 1 15/16" x 1 1/16" (48.5 x 27.5 mm)

**720p:** Max. 16 9/16" x 9 3/16" (420 x 233 mm) Min. 1 15/16" x 1 1/16" (48.5 x 27.5 mm)

**SXGA:** Max. 16 9/16" x 13 1/8" (420 x 334 mm) Min. 1 15/16" x 1 1/2" (48.5 x 38.5 mm)

**WXGA:** Max. 16 9/16" x 10 3/16" (420 x 259 mm) Min. 1 15/16" x 1 3/16" (48.5 x 30.5 mm)

**XGA:** Max. 16 9/16" x 12 5/16" (420 x 313 mm) Min. 1 15/16" x 1 7/16" (48.5 x 36.5 mm)

### Focus

Auto / Manual / Zoom Sync

## Functions

### White balance

Auto / One-Push / Manual

### Image mode

Text1 / Text2 / Text3 / Graphics1 / Graphics2

### Edge enhancement

Provided (only for graphics mode)

### Pause

Provided

### Still image storage

Provided

### Movie storage

Provided

### USB image output

Provided (ELMO original, UVC (USB Video Class))

### Digital zoom

8x

### Gamma setting

Provided (only for graphics mode)

### Graphical OSD (on-screen display)

Provided

### Slide show

Provided (image data)

### Image save

SD memory card / SDHC memory card / USB flash drive

### State presetting

Up to 3 user settings

### Annotation

Provided (CRA-1 use)

### Brightness control

Auto (with level adjustment) / Manual

### Support functions

Highlight, Mask, Scroll (in digital zoom), Mosaic, Split screen, PinP (Picture-in-Picture), Color filter, Microscope, Image rotation (0°/180°), Positive/negative conversion, Color/B&W selection

## Interface

### Input selection

Main / External

### Output terminals

RGB output mini D-sub 15-pin connector, female x 1  
HDMI output terminal x 1  
Line Out terminal 3.5 mm-diameter stereo mini jack x 1

### Input terminals

RGB input mini D-sub 15-pin connector, female x 1  
HDMI input terminal x1  
Mic In/Line In terminal (shared), 3.5 mm-diameter stereo mini jack x1

### Ext. control terminal

USB device (2.0 compliant) (UVC Compliant) Mini-B receptacle x 1

### Analog RGB output

1080p: 1,920 x 1,080 @ 60 Hz  
720p: 1,280 x 720 @ 60 Hz  
SXGA: 1,280 x 1,024 @ 60 Hz  
WXGA: 1,280 x 800 @ 60 Hz  
XGA: 1,024 x 768 @ 60 Hz

### HDMI output

Image output: 1080p/720p  
Audio output: PCM 44.1 kHz sampling frequency

### Memory interface

SD memory card slot x 1, USB host (2.0 compliant) Type A receptacle x 1

## Lighting

### Illumination Lamp

White LED

## Others

### Accessories

AC adapter, power cord, USB cable, Instruction manual, Image Mate CD-ROM, Infrared wireless remote control, AAA battery, Easy start-up guide, warranty sheet

### Security slot

Provided

### Power source

12V DC (AC adapter AC 100 - 240V)

### Power consumption

16.2 W (AC adapter included)

### Dimensions (WxDxH)

14" x 14 11/16" 16 3/16" (355 x 373.5 x 426.5 mm) setup  
7 11/16" x 11 9/16" x 18 7/16" (195 x 294 x 469 mm) folded

### Weight

Approx. 7.1 lbs (3.2 kg) (main unit only)