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STC-AF66 (High Res)

Auto Focus Block Cameras



New!

STC-AF66A (w/o Close-up Lens)
STC-AF66B (w/ Close-up Lens)

The STC-AF66 auto focus block camera was designed specifically for Low Vision Magnifier Reading systems and industrial applications. This camera features a high resolution CCD (768 x 494), complete "on camera" Low Vision processing and multiple outputs including VGA RGB. With the optional dual element close up lens, the camera can auto focus through the entire zoom range at a target only 25 cm away from the camera.

FEATURES

- Full Optical Zoom: 22x (47x magnification on 17" monitor)
- Direct Connection to TFT Computer or Video Monitors
- Three separate image modes and each is independently programmable
- Auto Focus Stability (Reduces hunting during target movement)
- Auto Focus Tracking (When object height changes)
- Maintains Super Text/Image Legibility when object is in motion
- Manual Focus Override
- Normal, High Contrast & Super Contrast modes
- 30 Combinations of Pseudo Colors
- RGB Interlace, RGB Progressive, Composite & Y/C Out
- Adjustable H & V Line Markers & Shades
- Normal/Mirror Image Selectable
- RS232C Communications for Camera Control

Available Models

STC-AF66A
No Close-up Lens

STC-AF66B
includes Optional 250mm
Close-Up Lens

STC-AF66A75/B75
A or B Model, w/ 75Hz
scanning

AUTO FOCUS HIGH RESOLUTION BLOCK COLOR



Model	STC-AF66A	STC-AF66B
Close-up Lens:	No close-up lens	250mm close-up lens built-on
Image Sensor:	1/6" Interlace Color CCD, 768 (H) x 494 (V)	
Scanning System:	Interlaced / Non-Interlaced	
Scanning Frequency:	STC-AF66A/B: 60Hz, STC-AF66A/B-75: 75Hz	
Resolution:	Horizontal: 480 TV Lines, Vertical: 350 TV Lines	
S/N Ratio:	>48dB (AGC Off)	
Minimum Illumination:	0.47 Lux @ F1.6 at 50 IRE, (-6dB) w/ 75% scene reflection, max. gain	
Sync System:	Internal / External	
Video Output:	NTSC Composite, Y/C, RGB Interlace RGB progressive out for PC monitors (VGA compatible)	
Electronic Shutter:	Selectable shutter speeds via the serial communication	
Gain:	Adjustable gain via serial communication or AGC (On/Off)	
Gamma:	Fixed values via the serial communication	
White Balance:	Selectable auto or fixed white bal. via serial communication The range is 2800°K to 7000°K 3 positions (3200°K, 4100°K and 5100°K)	
Video Processing:	Normal, High Contrast & Super High Contrast Mode High Contrast Mode Includes: Negative/Positive (Selectable) 30 Pre-Programmed Pseudo Colors Combinations (user definable)	
Auto Focus Lens Control:	Focus: Auto, Manual Focus or Auto w/ manual override Zoom: Zoom position controllable via the serial communication	
Zoom Range:	3.9 ~ 85.8mm (Optical)	
Auto Focus Hunting Control:	On or Off (via the serial communication)	
Line Generator:	Thickness, Color, Position & Orientation (Horizontal and/or Vertical) via the serial communication	
Shadow Mask Generator:	Darkness, Position & Orientation (Horizontal and/or Vertical) via the serial communication	
Character Generation:	Built-in full screen character generation function via the serial communication	
Mirror Mode:	Normal or Mirror Image (Horizontal Reversed) via serial communication	
Communication:	RS232 serial communication	
Software Control:	All camera DSP and lens setup parameters are controlled via the serial communication	
Power:	Input Voltage: DC +12V (Input voltage range is 7~15V) Consumption: 250mA at DC +12V input	
Temperature and Humidity:	Operational: -5°C ~ 45°C (14°F ~ 113°F) Storage: -20°C ~ 65°C (-4°F ~ 149°F)	
Dimensions:	58.2 (W) x 52.7 (H) x 87.1 (D) mm	

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STC-AF56 (Medium Res)

Auto Focus Block Cameras



STC-AF56A (w/o Close-up Lens)
STC-AF56B (w/ Close-up Lens)

The STC-AF56 auto focus block camera has all of the same Low Vision Magnifier Reading system features and "on-camera" processing as the STC-AF66 camera. The STC-AF56 has a standard resolution (510 x 494) CCD. This camera also has an optional dual element close up lens, which allows the camera to auto focus through the entire zoom range at a target only 25 cm away from the camera.

FEATURES

- Full Optical Zoom: 22x (47x magnification on 17" monitor)
- Direct Connection to TFT Computer or Video Monitors
- Three separate image modes and each is independently programmable
- Auto Focus Stability (Reduces hunting during target movement)
- Auto Focus Tracking (When object height changes)
- Maintains Super Text/Image Legibility when object is in motion
- Manual Focus Override
- Normal, High Contrast & Super Contrast modes
- 30 Combinations of Pseudo Colors
- RGB Interlace, RGB Progressive, Composite & Y/C Out
- Adjustable H & V Line Markers & Shades
- Normal/Mirror Image Selectable
- RS232C Communications for Camera Control

Available Models

STC-AF56A
No Close-up Lens

STC-AF56B
includes Optional 250mm
Close-Up Lens

AUTO FOCUS BLOCK COLOR



Model	STC-AF56A	STC-AF56B
Close-up Lens:	No close-up lens	250mm close-up lens built-on
Image Sensor:	1/6" Interlace Color CCD, 510 (H) x 492 (V)	
Scanning System:	Interlaced / Non-Interlaced	
Resolution:	Horizontal: 330 TV Lines, Vertical: 350 TV Lines	
S/N Ratio:	>48dB (AGC Off)	
Minimum Illumination:	3.47 Lux @ F1.6 at 50 IRE, (-6dB) w/ 75% scene reflection, max. gain	
Sync System:	Internal / External	
Video Output:	NTSC Composite, Y/C, RGB Interlace RGB progressive out for PC monitors (VGA compatible)	
Electronic Shutter:	Selectable shutter speeds via the serial communication	
Gain:	Adjustable gain via serial communication or AGC (On/Off)	
Gamma:	Fixed values via the serial communication	
White Balance:	Selectable auto or fixed white bal. via serial communication - Auto - Fixed The range is 2800°K to 7000°K 3 positions (3200°K, 4100°K and 5100°K)	
Video Processing:	Normal, High Contrast & Super High Contrast Mode High Contrast Mode Includes: Negative/Positive (Selectable) 30 Pre-Programmed Pseudo Colors Combinations (user definable)	
Auto Focus Lens Control:	Focus: Auto, Manual Focus or Auto w/ manual override Zoom: Zoom position controllable via the serial communication	
Zoom Range:	3.9 ~ 85.8mm (Optical)	
Auto Focus Hunting Control:	On or Off (via the serial communication)	
Line Generator:	Thickness, Color, Position & Orientation (Horizontal and/or Vertical) via the serial communication	
Shadow Mask Generator:	Darkness, Position & Orientation (Horizontal and/or Vertical) via the serial communication	
Character Generation:	Built-in full screen character generation function via the serial communication	
Mirror Mode:	Normal or Mirror Image (Horizontal Reversed) via serial communication	
Communication:	RS232 serial communication	
Software Control:	All camera DSP and lens setup parameters are controlled via the serial communication	
Power:	Input Voltage: DC +12V (Input voltage range is 7~15V) Consumption: 250mA at DC +12V input	
Temperature and Humidity:	Operational: -5°C ~ 45°C (14°F ~ 113°F) Storage: -20°C ~ 65°C (-4°F ~ 149°F)	
Dimensions:	58.2 (W) x 52.7 (H) x 87.1 (D) mm	