

Introduction of integrated fiber end face detector



Description of SGX-7000 series

SGX-7000 series can enlarge fiber end by 200x, 400x or 80x magnification. Baseline is according with end face diameter measured on 8-inch screen. Then enlarged picture of fiber end face is showed on display through video signal. Finally fiber end defects can be easily found at a glance on the display. SGX-7000 series start work when power on. No cables between display and microscope makes it easy to manipulate, fast to work, and most of all greatly enhances work efficiency

SGX-7000 series can quickly check blemish, scratch and chipping etc. defects on fiber jumper and fiber ferrule. Operators just need to visually inspect fiber end on LCD screen instead of directly view on it. Therefore no harm on human eyes. As well known, harm is made by laser in fiber when operators directly view fiber end.

Function and feature

- Photograph
- Image save
- Image delete
- X/Y axis adjustable
- External monitor connection
- External signal input
- External USB signal input
- External AV signal input
- Brightness adjustable
- Contrast adjustable
- Saturation adjustable
- Clock
- External SD card connection

Technical parameters and specifications

model	SGX-7000
magnification	50X/80X/200X/400X
X/Y axis adjustable	Y
Image input/output format	Analog PAL
CCD resolution	1/3"420 lines
Image output port	RCA
Image input port	RCA
Focus mode	Manual
Image analysis	—
Power consumption	3W
Operating temperature	+10°C ~ +50°C
Storage temperature	0°C ~ +55°C
Input port	Y
Display	8" TFT 800*600 PIX
Power supply	DC12
Size	288mm*230mm*190mm
Weight	4 kg

Remark: "Y" indicates function enabled; "—" indicates function disabled

Keys feature introduction:

1. LED: power supply indicator
2. MENU: menu or move
3. CAP: image save
4. ▲: increase
5. ▼: decrease
6. DEL: delete
7. POWER: power on/off
8. DC 12V: DC 12V power interface
9. AVOUT: output video signal to other devices
10. SWITCH: switch internal signal or external input signal
11. AV IN: USB interface of external signal input
12. AVIN: input interface of external signal
13. SD: SD card slot

work instruction

1. Adjustable definition mode of display window

(1) Press “MENU” to enter display parameters setting interface. There are brightness, contrast, saturation, default and exit can be selected

(2) Press “MENU” to move cursor on the parameter to be adjusted, then press ▲ or ▼ to start modification. When adjustment completes, press “MENU” to move cursor on “EXIT”, finally press ▲▼ to save and quit. Note to restore factory settings, press “MENU” to move cursor on “DEFAULT”, then press ▲▼ to save and quit

2. Image save mode

Press “CAP” to save image into SD card. Note SD card should be inserted well into slot before using image save mode. SGX-7000 series support hot swap

3. inspection mode

Connect uninspected product into inspection port, then adjust focus ring to get the most clear picture on LCD display. Fiber end can be easily inspected by naked eyes from LCD display