MCM Model	82-18193	82-20490	82-20495	82-18197	82-20500	82-20498	82-20499	82 -22580
Picture	00		100			200 M M M M M M M M M M M M M M M M M M	20 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Resolution	800*600	800*480	800*480	1280*800	1280*800	1280*800	1280*800	1280*800
Screen Size	7.0 inch	4.3 inch	4.3 inch	7.0 inch	7.0 inch	7.0 inch	7.0 inch	7.0 inch
Battery capacity	7.4V / 6600mAH	7.4V / 5000mAH	7.4V / 5000mAH	7.4V / 6600mAH	7.4V / 6600mAH	7.4V / 5400mAH	7.4V / 5400mAH	7.4V / 5400mAH
SD card capacity	8G	8G	8G	8G	8G	8G	8G	8G
Capacitive touch screen	No Support	Support	Support	Support	Support	Support	Support	Support
Drop-down menu	No support	No support	Drop-down menu, screen setting,backgrou nd setting,etc					
letwork								
Network port	RJ45, 10M/100M auto adjust	RJ45, 10M/100M auto adjust	RJ45, 10M/100M auto adjust					

WIFI	No support	Built in WIFI, 150M speeds	Built in WIFI, 150M speeds	Built in WIFI, 150M speeds	Built in WIFI, 150M speeds	Built in WIFI, 150M speeds	Built in WIFI, 150M speeds	Built in WIFI, 150M speeds, create WiFi hotspot
Rapid video display	No support	Rapid video, just by one key to detect all network cameras and auto display	Rapid video, just by one key to detect all network cameras and auto display	by one key to detect all network	Rapid video, just by one key to detect all network cameras and auto display	Rapid video, just by one key to detect all network cameras and auto display		Rapid video, just by one key to detect all network cameras and auto display
IP Camera Test								
ONVIF	No support	H.264	H.264	H.264	Н. 264	Н. 264	Н. 264	H.265 & H.264 & 4K
ONVIF PTZ	No support	Support	Support	Support	Support	Support	Support	Support
Private IP camera protocols	No support	supports more than 80 private IP camera protocols. Customized service available	supports more than 80 private IP camera protocols. Customized service available	supports more than 80 private IP camera protocols. Customized service available	supports more than 80 private IP camera protocols. Customized service available	supports more than 80 private IP camera protocols. Customized service available	supports more than 80 private IP camera protocols. Customized service available	supports more than 80 private IP camera protocols. Customized service available
Mobile apps of IP cameras	No support	Support, need to send apps to us to install, then the clients can install	Support, need to send apps to us to install, then the clients can install	Support, need to send apps to us to install, then the clients can install	Support, need to send apps to us to install, then the clients can install	Support, need to send apps to us to install, then the clients can install	Support, need to send apps to us to install, then the clients can install	Support, user self install apps (Android version)
IP camera and analog camera test synchronously	No support	No support	No support	No support	No support	No support	No support	dual window displays IP & CVBS
Network Test	IP address scan, link monitor, Ping test	IP address scan, link monitor, Ping test, DHCP, network bandwidth test	IP address scan, link monitor, Ping test, DHCP, network bandwidth test	IP address scan, link monitor, Ping test, DHCP, network bandwidth test	IP address scan, link monitor, Ping test, DHCP, network bandwidth test	IP address scan, link monitor, Ping test, DHCP, network bandwidth test	IP address scan, link monitor, Ping test, DHCP, network bandwidth test	IP address scan, link monitor, Ping test, DHCP, network bandwidth test

Traffic monitoring of the tester "Lan port"	No support	No support	No support	No support	No support	No support	No support	display network port or wifi connection real- time upload and download speeds and other network parameters
Hikvision and Dahua test tool	No support	Support	Support	Support	Support	Support	Support	Support
Analog video test								
video format	NTSC/PAL (Auto adapt)	NTSC/PAL (Auto adapt)	NTSC/PAL (Auto adapt)	NTSC/PAL (Auto adapt)	NTSC/PAL (Auto adapt)	NTSC/PAL (Auto adapt)	NTSC/PAL (Auto adapt)	NTSC/PAL (Auto adapt)
video input and output	1 channel BNC Input & 1 channel BNC Output	1 channel BNC Input & 1 channel BNC Output	1 channel BNC Input & 1 channel BNC Output	1 channel BNC Input & 1 channel BNC Output	1 channel BNC Input & 1 channel BNC Output	1 channel BNC Input & 1 channel BNC Output	1 channel BNC Input & 1 channel BNC Output	1 channel BNC Input & 1 channel BNC Output
PTZ controller	Support RS232/RS485	Support RS232/RS485	Support RS232/RS485	Support RS232/RS485	Support RS232/RS485	Support RS485	Support RS485	Support RS485
CVBS loop test	No support	No support	No support	No support	No support	No support	No support	the tester send and receive color bar generator signal to check BNC cable
Color bar generator	Output PAL/NTSC color bars and testing image	Output PAL/NTSC color bars and testing image	Output PAL/NTSC color bars and testing image	Output PAL/NTSC color bars and testing image	Output PAL/NTSC color bars and testing image	Output PAL/NTSC color bars and testing image	Output PAL/NTSC color bars and testing image	Output PAL/NTSC color bars and testing image
Snapshot, Video reco	ord and playback,in	nage zoom in, ph	oto viewer					
Photo screenshot	Support	Support	Support	Support	Support	Support	Support	Support
Video record and playback	Support	Support	Support	Support	Support	Support	Support	Support
Image zoom in	10 x zoom in	4 x zoom in	4 x zoom in	4 x zoom in	4 x zoom in	4 x zoom in	4 x zoom in	4 x zoom in

Photo viewer	Support	Support	Support	Support	Support	Support	Support	Support
Audio input test	1 channel audio signal input, audio recording	1 channel audio signal input, audio recording	1 channel audio signal input, audio recording	1 channel audio signal input, audio recording	1 channel audio signal input, audio recording	1 channel audio signal input, audio recording	1 channel audio signal input, audio recording	1 channel audio signal input, audio recording
Audio output	No support	support 1 channel audio output	support 1 channel audio output	support 1 channel audio output	support 1 channel audio output			
UTP cable test	Test UTP cable connection status and display on the screen. Read the number on the screen	Test UTP cable connection status and display on the screen. Read the number on the screen	Test UTP cable connection status and display on the screen. Read the number on the screen	Test UTP cable connection status and display on the screen. Read the number on the screen	Test UTP cable connection status and display on the screen. Read the number on the screen	Test UTP cable connection status and display on the screen. Read the number on the screen		Test UTP cable connection status and display on the screen. Read the number on the screen. Support RJ 45 cable TDR test,check cable pair status, length, attenuation, reflectivity, impedance, skew etc
HDMI output	No support	1 channel HDMI output, supports up to 1080p	1 channel HDMI output, supports up to 1080p	1 channel HDMI output, supports up to 1080p				
HDMI Input	No support	No support	No support	No support	No support	No support	No support	1 channel HDMI input, supports up to 1080p
Power Test								
POE voltage test	Measures PoE switch voltage and displays pin configuration	Measures PoE switch voltage and displays pin configuration	Measures PoE switch voltage and displays pin configuration	Measures PoE switch voltage and displays pin configuration	Measures PoE switch voltage and displays pin configuration	Measures PoE switch voltage and displays pin configuration	Measures PoE switch voltage and displays pin configuration	Measures PoE switch voltage and displays pin configuration. PoE power test

POE power output	No support	48V PoE power output, Max up 24W	48V PoE power output, Max up 24W	48V PoE power output, Max up 24W	48V PoE power output, Max up 24W	48V PoE power output, Max up 24W	48V PoE power output, Max up 24W	48V PoE power output, Max up 24W
12V power output	12V 2A power output	12V 2A power output	12V 2A power output	12V 2A power output	12V 2A power output	12V 2A power output	12V 2A power output	12V 2A power output
USB 5V power output	Support, as power bank for mobile phones	Support, as power bank for mobile phones	Support, as power bank for mobile phones	Support, as power bank for mobile phones	Support, as power bank for mobile phones	Support, as power bank for mobile phones	Support, as power bank for mobile phones	Support, as power bank for mobile phones
Optionals functions	(* means the functi	on is optional)						
Cable tracer *	Come with cable tracer, find a connected cable from a bundle of cables using audio tones	No support	No support	Come with cable tracer, find a connected cable from a bundle of cables using audio tones	Come with cable tracer, find a connected cable from a bundle of cables using audio tones	No support	No support	No support
Video level meter *	Come with analog video level meter, perform NTSC and PAL video amplitude signal measurements for PEAK to PEAK, SYNC level and COLOR BURST chroma level	No support	No support	Come with analog video level meter, perform NTSC and PAL video amplitude signal measurements for PEAK to PEAK, SYNC level and COLOR BURST chroma level	PAL video amplitude signal	No support	No support	No support
HD-TVI test *	No support	No support	TVI 3.0, support 5MP TVI test, 2560x1944P 12.5FPS	No support	TVI 3.0, support 5MP TVI test, 2560x1944P 12.5FPS	No support	TVI 3.0, support 5MP TVI test, 2560x1944P 12.5FPS	5MP TVI test, 2560x1944P 12.5FPS
HD-CVI test *	No support	No support	support 2MP CVI	No support	support 2MP CVI	No support	support 2MP CVI	4MP CVI test, 2560x1440P 25F/30F
AHD test *	No support	No support	support 2MP AHD	No support	support 2MP AHD	No support	support 2MP AHD	3MP/4MP AHD test,2560x1440P 15F/25F/30F

SDI Input	1 channel HD-SDI input, supports 1080P	No support	1 channel HD-SDI input	1 channel HD SDI/EX SDI input				
SDI Output	1 channel HD-SDI output, supports 1080P	No support	No support					
VGA input	1 channel VGA input	No support	No support					
Power adapter	DC 5V (2A)	DC 12V (2A)	DC 12V (2A)	DC 12V (2A)	DC 12V (2A)	DC 12V (2A)	DC 12V (2A)	DC 12V (2A)
Working time	16 hours	16 hours	16 hours	16 hours	16 hours	10 hours	10 hours	10 hours