

ParanTek supplies videos module solutions to customers from the following industries;

**CCTV**



**ITS**



**Reinforcement**



**Military**



**Smart Systems**



**ATM**



**Inspection**



**Robotics**



**LPR**



**Vehicle**



**Health**



**Entertainment**



TYPE	Model Name	PCB Size	Image Sensor	ISP	Max. Res.	Lens	TDN	OSD	Comm.	UTC	LED CTL	Audio	Outputs	WDR	DSS (Sens-up)	DNR	Lens Holder	Voltage	Status
ANALOG CVBS	ACC-2230	32x32mm 1-Board	1/3" Sony CCD 610K (ICX811) – PAL	Effio-E	960H WD1	Fixed Only	Yes	OSD Joystick OSD Port	-	-	Yes	-	CVBS	-	-	2D	Option	DC 12V	Inventory Sales
	ACC-2130	32x32mm 1-Board	1/3" Sony CCD 610K (ICX811) – PAL	Effio-E	960H WD1	DC/Fixed	Yes	OSD Joystick OSD Port	-	-	Yes	-	CVBS	-	-	2D	Option	DC 12V	Inventory Sales
	ACC-760	32x32mm 1-Board	1/3" Sharp CCD 520K (RJ2331BA) – NTSC 610K (RJ2341BA) – PAL	NVP2090	960H WD1	DC/Fixed	Yes	OSD Joystick OSD Port	-	Yes	Yes	-	CVBS	-	-	2D	Option	DC 12V	Stock Sales
	ACC-7620	32x32mm 1-Board	1/3" Sharp NIR CCD 520K (RJ2331CA) – NTSC 610K (RJ2341CA) – PAL	NVP2090	960H WD1	DC/Fixed	Yes	OSD Joystick OSD Port	-	Yes	Yes	-	CVBS	-	-	2D	Option	DC 12V	Order Production
	ACC-200	32x32mm 1-Board	1/3" Sony WDR CCD 520K (ICX662) – NTSC 610K (ICX663) – PAL	Effio-V	960H WD1	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C	Yes	Yes	-	CVBS	Yes	Yes (X256)	3D	Option	DC 12V	Inventory Sales
	ACC-4030	28x28mm 1-Board	1/3" Sony CCD 610K (ICX811) – PAL	Effio-E	960H WD1	Fixed Only	-	OSD Joystick	-	-	-	Option	CVBS	-	-	2D	-	DC 12V	Inventory Sales
	ACC-680	28x28mm 1-Board	1/3" Panasonic CCD 610K (Ai353) – PAL	EN574	960H WD1	Fixed Only	-	OSD Joystick	-	-	-	Option	CVBS	-	Yes (X1024)	3D	-	DC 5~12V	Inventory Sales
	ACC-890	28x28mm 1-Board	1/3" Sharp CCD 520K (RJ2331BA) – NTSC 610K (RJ2341BA) – PAL	EN574	960H WD1	Fixed Only	-	OSD Joystick	-	-	-	Option	CVBS	-	Yes (X512)	3D	-	DC 5~12V	Stock Sales
	ACC-8920	28x28mm 1-Board	1/3" Sharp CCD 520K (RJ2331CA) – NTSC 610K (RJ2341CA) – PAL	EN574	960H WD1	Fixed Only	-	OSD Joystick	-	-	-	Option	CVBS	-	Yes (X512)	3D	-	DC 5~12V	Order Production
	ACC-390	28x28mm 1-Board	1/3" Sony WDR CCD 520K (ICX662) – NTSC 610K (ICX663) – PAL	Effio-V	960H WD1	Fixed Only	-	OSD Joystick	-	Yes	-	Option	CVBS	Yes	Yes (X256)	3D	-	DC 5~12V	Inventory Sales
	ACC-500	Informal	1/3" WDR CMOS 350K – NTSC, PAL	SOC	720H D1	Fixed Only	-	-	-	-	-	-	CVBS	Yes	-	2D	Option	DC 5V	Order Production
	ACC-250	23x23mm 1-Board	1/3" Sony CCD 440K (ICX639) – PAL	NVP2040	760H D1	Fixed Only	-	OSD Joystick	-	-	-	Option	CVBS	-	-	2D	-	DC 5~12V	Inventory Sales
	ACC-660	14x14mm 1-Board	1/4" CMOS 350K – NTSC, PAL	SOC	720H D1	Fixed Only	-	-	-	-	-	-	CVBS	-	-	2D	-	DC 3.3V	Order Production
	ACC-3330	17Ø and etc. 3-Boards	1/3" Sony CCD 610K (ICX811) – PAL	Effio-V	960H WD1	Fixed Only	-	Cable OSD (Option)	-	-	-	Option	CVBS	-	-	2D	-	DC 5~12V	Inventory Sales
	ANALOG AHD	ACC-600	32x32mm 1-Board	1/3" Sony CMOS 1M (IMX225)	NVP2431	720p 25/30	Fixed Only	-	OSD Joystick OSD Port	-	Yes	Yes	Option	AHD 1.0	-	-	2D	Option	DC 5~12V
ACC-730		32x32mm 1-Board	1/2.9" Sony CMOS 2M (IMX323)	NVP2470	1080p 25/30	Fixed Only	Yes	OSD Joystick OSD Port	-	Yes	Yes	Option	AHD 2.0	-	-	2D	Option	DC 12V	Stock Sales
ACC-580		32x32mm 1-Board	1/3" Panasonic CMOS 2M (MN34227)	NVP2440	1080p 25/30	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C	Yes	Yes	-	AHD 2.0	-	Yes (X30)	3D	Option	DC 12V	Stock Sales
ACC-830		32x32mm 1-Board	1/3" Panasonic CMOS 2M (MN34229)	EN771	1080p 25/30	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C	Yes	Yes	-	AHD 2.0	Yes	Yes (X32)	2D	Option	DC 12V	Stock Sales
ACC-860		32x32mm 1-Board	1/2.8" Sony CMOS 5M (IMX335)	NVP2477	1944p 22	Fixed Only	Yes	OSD Joystick OSD Port	-	Yes	Yes	Option	AHD 3.0	-	-	3D	Option	DC 5~12V	Stock Sales
ACC-570		28x28mm 1-Board	1/3" Panasonic CMOS 2M (MN34227)	NVP2440	1080p 25/30	Fixed Only	-	OSD Joystick	-	Yes	-	Option	AHD 2.0	-	Yes (X30)	3D	-	DC 5~12V	Stock Sales
ACC-790		Informal	1/4" CMOS 1M	SOC	720p 25/30	Fixed Only	-	-	-	-	-	-	AHD 1.0	-	-	2D	Option	DC 5~12V	Order Production
ACC-880		Informal	1/2.7" CMOS 2M	SOC	1080p 25/30	Fixed Only	-	-	-	Yes	-	-	AHD 2.0	-	-	2D	Option	DC 5~12V	Order Production
ACC-620		23x23mm 1-Board	1/3" Panasonic CMOS 2M (MN34227)	NVP2440	1080p 25/30	Fixed Only	-	-	-	Yes	-	-	AHD 2.0	-	Yes (X30)	3D	-	DC 5~12V	Stock Sales
ACC-710		17Ø and etc. 3-Boards	1/3" Panasonic CMOS 2M (MN34227)	NVP2440	1080p 25/30	Fixed	-	Cable OSD (Option)	-	Yes	-	-	AHD 2.0	-	Yes (X30)	3D	-	DC 12V	Stock Sales

TYPE	Model Name	PCB Size	Image Sensor	ISP	Max. Res.	Lens	TDN	OSD	Comm.	UTC	LED CTL	Audio	Outputs	WDR	DSS (Sens-up)	DNR	Lens Holder	Voltage	Status
DIGITAL SDI	DCC-550	42x42mm 1-Board	1/3" Panasonic CMOS 2M (MN34229)	EN773	1080p 25/30	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C Serial Protocol	-	Yes	-	SDI CVBS	Yes	Yes (X32)	3D	Option	DC 12V	Stock Sales
	DCC-5560	42x42mm 1-Board	1/3" Panasonic CMOS 2M (MN34229)	EN778	1080p 50/60	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C Serial Protocol	-	Yes	-	SDI CVBS	Yes	Yes (X32)	3D	Option	DC 12V	Stock Sales
	DCC-650	42x42mm 1-Board	1/1.9" Sony CMOS 2M (IMX185)	EN778	1080p 50/60	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C Serial Protocol	-	Yes	-	SDI CVBS	Yes	Yes (X32)	3D	Option	DC 12V	Stock Sales
	DCC-530	42x42mm 2-Board	1/3" Sharp CCD 2M (RJ33N3AA)	N/A	1080p 25	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C Serial Protocol	-	Yes	-	SDI	-	-	3D	Option	DC 12V	Stock Sales
	DCC-830	32x32mm 1-Board	1/3" Panasonic CMOS 2M (MN34229)	EN771	1080p 25/30	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C	-	Yes	-	SDI CVBS	Off On	Yes (X32)	3D 2D	Option	DC 12V	Stock Sales
	DCC-460	28x28mm 1-Board	1/3" Panasonic CMOS 2M (MN34229)	EN773	1080p 25/30	Fixed Only	-	OSD Joystick OSD Port	-	-	-	-	SDI CVBS	Yes	Yes (X32)	3D	-	DC 12V	Stock Sales
	DCC-4660	28x28mm 1-Board	1/3" Panasonic CMOS 2M (MN34229)	EN778	1080p 50/60	Fixed Only	-	OSD Joystick OSD Port	-	-	-	-	SDI CVBS	Yes	Yes (X32)	3D	-	DC 12V	Stock Sales
	DCC-770	25Ø and etc. 3-Boards	1/2.8" Sony CMOS 2M (IMX291)	EN778	1080p 50/60	Fixed Only	-	-	RS232C Serial Protocol	-	-	-	SDI CVBS	Yes	Yes (X32)	3D	Option	DC 12V	Order Production
	DCC-800	25Ø and etc. 2-Boards	1/2.8" Sony CMOS 2M (IMX291)	EN778	1080p 50/60	Fixed Only	-	OSD Joystick	RS232C Serial Protocol	-	-	-	SDI CVBS	Yes	Yes (X32)	3D	Option	DC 12V	Order Production
	DCC-480	17Ø and etc. 3-Boards	1/3" Panasonic CMOS 2M (MN34229)	EN773	1080p 25/30	Fixed Only	-	OSD Port	-	-	-	-	SDI CVBS	Yes	Yes (X32)	3D	-	DC 12V	Stock Sales
	DCC-4860	17Ø and etc. 3-Boards	1/3" Panasonic CMOS 2M (MN34229)	EN778	1080p 50/60	Fixed Only	-	OSD Port	-	-	-	-	SDI CVBS	Yes	Yes (X32)	3D	-	DC 12V	Stock Sales
	DIGITAL USB2.0	DCC-150	28x28mm 1-Board	1/3" CMOS 350K	SOC	VGA	Fixed Only	-	-	-	-	-	-	USB (YUV)	-	-	2D	-	DC 5V Via USB
DCC-450		28x28mm 1-Board	1/3" CMOS 1M	SOC	720p 30	Fixed Only	-	-	-	-	-	-	USB (MJPEG/YUV)	-	-	2D	Option	DC 5V Via USB	Inventory Sales
DCC-490		28x28mm 1-Board	1/3" WDR CMOS 1M	SOC	720p 30	Fixed Only	-	-	-	-	-	-	USB (MJPEG/YUV)	Yes	-	2D	Option	DC 5V Via USB	Stock Sales
DCC-870		28x28mm 1-Board	1/2.9" Sony CMOS 2M (IMX323)	SOC	1080p 30	Fixed Only	-	-	-	-	-	-	USB (MJPEG)	-	-	2D	Option	DC 5V Via USB	Stock Sales
DIGITAL IP	DCC-6110	32x32mm 1-Board	1/2.9" Sony CMOS 2M (IMX322)	GM8138	1080p 25/30	Fixed Only	Yes	Web-page	Network Protocol	-	Yes	-	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales
	DCC-700	42x42mm 1-Board	1/2.8" Sony CMOS 2M (IMX291)	Xarina	1080p 25/30	DC/Fixed	Yes	Web-page	Network Protocol	-	Yes	Option	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales
	DCC-701	42x42mm 1-Board	1/2.8" Sony CMOS 2M (IMX291)	Xarina	1080p 25/30	DC/Fixed Semi-AF	Yes	Web-page	Network Protocol	-	Yes	Option	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales
	DCC-7020	42x42mm 2-Boards	1/1.9" Sony CMOS 2M (IMX185)	Xarina	1080p 25/30	DC/Fixed	Yes	Web-page	Network Protocol	-	Yes	Option	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales
	DCC-7021	42x42mm 2-Boards	1/1.9" Sony CMOS 2M (IMX185)	Xarina	1080p 25/30	DC/Fixed Semi-AF	Yes	Web-page	Network Protocol	-	Yes	Option	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales
	DCC-7030	42x42mm 1-Boards	1/2.8" Sony CMOS 3M (IMX124)	Xarina	1536p 25/30	DC/Fixed	Yes	Web-page	Network Protocol	-	Yes	Option	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales
	DCC-7031	42x42mm 1-Boards	1/2.8" Sony CMOS 3M (IMX124)	Xarina	1536p 25/30	DC/Fixed Semi-AF	Yes	Web-page	Network Protocol	-	Yes	Option	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales
	DCC-7050	42x42mm 2-Boards	1/1.9" Sony CMOS 5M (IMX178)	Xarina	1920p 15	DC/Fixed	Yes	Web-page	Network Protocol	-	Yes	Option	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales
	DCC-7051	42x42mm 2-Boards	1/1.9" Sony CMOS 5M (IMX178)	Xarina	1920p 15	DC/Fixed Semi-AF	Yes	Web-page	Network Protocol	-	Yes	Option	IP (H.264)	-	-	3D	Option	DC 12V POE Opt.	Inventory Sales

TYPE	Model Name	PCB Size	Image Sensor	ISP	Max. Res.	Lens	TDN	OSD	Comm.	UTC	LED CTL	Audio	Other Outputs	WDR	DSS (Sens-up)	DNR	Lens Holder	Voltage	Status
DIGITAL BT.1120(LVDS)	DCC-6510	42x42mm 1-Board	1/1.9" Sony CMOS 2M (IMX185)	EN778	1080p 50/60	DC/Fixed Semi-AF	Yes	OSD Joystick OSD Port	RS232C Serial Protocol	-	Yes	-	BT.1120 CVBS	Yes	Yes (X32)	3D	Option	DC 12V	Stock Sales
	DCC-6520	42x42mm 1-Board	1/1.9" Sony CMOS 2M (IMX185)	EN778	1080p 50/60	DC/Fixed Semi-AF	Yes	OSD Joystick OSD Port	RS232C Serial Protocol	-	Yes	-	BT.1120 SDI & CVBS	Yes	Yes (X32)	3D	Option	DC 12V	Stock Sales
	DCC-740	32x32mm 2-Board	1/3" Sharp B/W CCD 2M (RJ33N4AA)	N/A	1080p 25	DC/Fixed	-	OSD Joystick OSD Port	RS232C Serial Protocol	-	-	-	BT.1120	-	-	3D	Option	DC 12V	Order Production
	DCC-7410	32x32mm 2-Board	1/3" Sharp CCD 2M (RJ33N3AA)	N/A	1080p 25	DC/Fixed	-	OSD Joystick OSD Port	RS232C Serial Protocol	-	-	-	BT.1120	-	-	3D	Option	DC 12V	Order Production
	DCC-750	32x32mm 2-Board	1/3" Panasonic CMOS 2M (MN34229)	EN778	1080p 50/60	DC/Fixed	Yes	OSD Joystick OSD Port	RS232C Serial Protocol	-	-	-	BT.1120 CVBS	-	Yes (X32)	3D	Option	DC 12V	Order Production
	DCC-Z3520	55.6(W)x64(H) x124(D)	1/2" Sony CMOS 2M (IMX385)	EN778	1080p 50/60	AF X35 6~210mm	Yes	OSD Port	RS232C Serial Protocol	-	-	-	LVDS-SDI CVBS	Yes	Yes (X30)	3D	-	DC 12V	Stock Sales
	DCC-Z2021	50(W)x60(H) x87(D)	1/3" Panasonic CMOS 2M (MN34229)	EN778	1080p 50/60	AF X20 4.7~94mm	Yes	OSD Port	RS232C Serial Protocol	-	-	-	LVDS-SDI CVBS	Yes	Yes (X30)	3D	-	DC 12V	Stock Sales
	DCC-Z1020	43.6(W)x45.3 (H)x67(D)	1/3" Panasonic CMOS 2M (MN34229)	EN778	1080p 50/60	AF X10 4.7~47mm	Yes	OSD Port	RS232C Serial Protocol	-	-	-	LVDS-SDI CVBS	Yes	Yes (X30)	3D	-	DC 12V	Stock Sales

Model Naming

Video Module  
Without Lens

Without Lens

DCC - M I 490 - 2/4P\*2  
 ① ② ③ ④ ⑤

- ① **ACC** Analog Output Camera Module  
**DCC** Digital Output Camera Module
- ② **A** No Lens holder  
**E** D14 type Lens holder  
**M** M12 type Lens holder  
**H** M12 type Pinhole Lens holder (Short neck)  
**U** CS Lens holder  
**J** Mechanical TDN ICR with D14 type holder  
**K** Mechanical TDN ICR with M12 type holder  
**T** Mechanical TDN ICR without Lens holder (Box Camera)
- ③ **None** "Empty" when there is no Filter at all  
**B** Band-pass(850nM only) Filter  
**D** All-pass(Dummy) Filter  
**I** IR-Cut Filter  
**N** IR-pass(Flash + 940nM) Filter  
**R** IR-pass(Flash + 850nM) Filter
- ④ **490** Module Number
- ⑤ **2/4P\*2** 2P Wafer x 1, 4P Wafer x 2  
**2/4/6P** 2P Wafer x 1, 4P Wafer x 1, 6P Wafer x 1  
 \* Do not indicate any if it is a standard wafer mount

Model Naming

Video Module  
With Lens

With Lens

DCC - I F 490 - 2.8 - 2/4P\*2  
 ① ② ③ ④ ⑤ ⑥

- ① **ACC** Analog Output Camera Module  
**DCC** Digital Output Camera Module
- ② **None** "Empty" when there is no Filter at all  
**B** Band-pass(850nM only) Filter  
**D** All-pass(Dummy) Filter  
**I** IR-Cut Filter  
**N** IR-pass(Flash + 940nM) Filter  
**R** IR-pass(Flash + 850nM) Filter
- ③ **C** Manual Vari-focal Lens (DC Iris & ICR) standard f=2.8~12mm  
**F** Fixed Board Lens standard f=3.6mm for analog, f=4mm for digital  
**P** Pinhole type Fixed Board Lens standard f=3.7mm  
**V** Manual Vari-focal Lens (DC Iris only) standard f=2.8~12mm  
**X** Manual Vari-focal Lens standard f=2.8~12mm  
**Y** Motorized Zoom Lens (DC Iris only)  
**Z** Motorized Zoom Lens (DC Iris & ICR)
- ④ **490** Module Number
- ⑤ **2.8** focal length f=2.8mm  
**5050** focal length f=5~50mm  
 \* Do not indicate any if it is a standard focal length
- ⑥ **2/4P\*2** 2P Wafer x 1, 4P Wafer x 2  
**2/4/6P** 2P Wafer x 1, 4P Wafer x 1, 6P Wafer x 1  
 \* Do not indicate any if it is a standard wafer mount