

7" WIDESCREEN DIGITAL COLOR LCD MONITOR

Large 7" digital widescreen monitor delivers sharp, clear images in a sleek, stylish design that fits attractively in your vehicle's interior.

CJ7100E

7" Widescreen Digital Color LCD Monitor

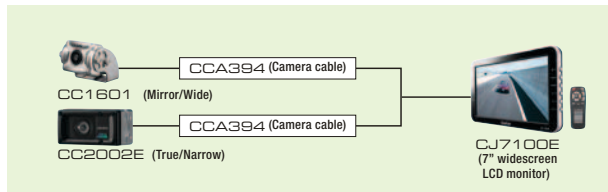
(Compatible with both DC 12V/24V)

- Digital LCD panel delivers high picture quality.
- Built-in camera power supply and two camera switcher.
- LED Backlighting.
- True/Mirror image switching function.
- Automatic camera switching with reverse gear and turn signal inputs.
- Manual dimmer function.
- Built-in speaker (works in combination with the CC3000E's microphone).
- Composite Audio/Video input.
- NTSC/PAL Compatible.
- 7 Languages (English/French/German/Italian/Spanish/Korean/Japanese) display selection.
- Color, Brightness, and Contrast controls.
- Wireless remote control included.



Wireless remote control

Dash mounting kit



Model No.	Screen Size (inches)	Power Supply	Power Consumption	Picture Element Pixels	Operating Temperature Range	Size (W x H x D mm)	Weight	Camera Inputs	Video Input	Audio Input	On-screen Distance Marker	Included Accessories
CJ7100E	7	DC 12V/24V	450mA (DC 12V, monitor set only)	800 x 3 (RGB) x 480	-10°C to +60°C	187 x 113.5 x 26.6	Approx. 450g	2	1 (RCA)	1 (mono/RCA)	No	Mounting Bracket, Monitor Cable

5.6" DIGITAL COLOR LCD MONITOR

Uncompromising performance and picture quality in a compact 5.6" color digital LCD monitor.

CJ5600E

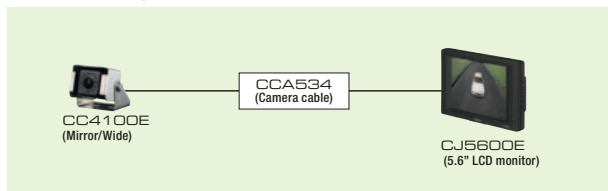
5.6" Digital Color LCD Monitor

(Compatible with both DC 12V/24V)

- Digital LCD panel that delivers high quality images.
- Built-in camera power supply and two camera switcher.
- LED Backlighting.
- True/Mirror image switching function.
- Automatic camera switching with reverse gear and turn signal inputs.
- Manual dimmer function.
- 7 Languages (English/French/German/Italian/Spanish/Korean/Japanese) display selection.
- Color, Brightness, and Contrast controls.



Dash mounting kit

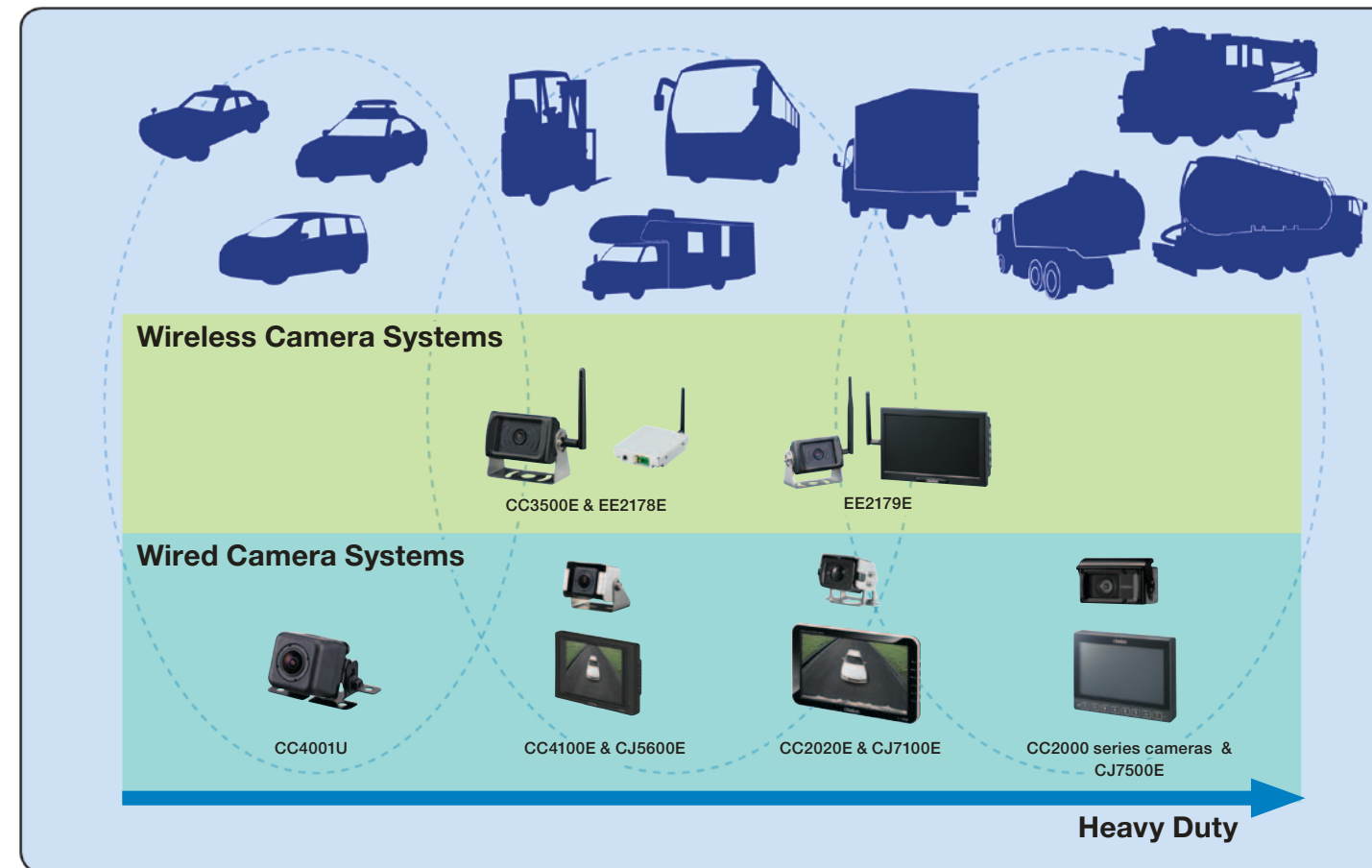


Model No.	Screen size (inches)	Power Supply	Power Consumption	PictureElement Pixels	Operating Temperature Range	Size (W x H x D mm)	Weight	Camera Inputs	Video Input	Audio Input	On-screen Distance Marker	Included Accessories
CJ5600E	5.6	DC 12V/24V	450mA (DC 12V, monitor set only)	640 x 3 (RGB) x 480	-10°C to +60°C	163 x 112 x 30	Approx. 300g	2	No	No	No	Mounting Bracket, Monitor Cable

Note : The CJ7100E and CJ5600E are not provided with On-screen Distance Marker.

Clarion
moves you • connects you

System Examples by Vehicle Types



WARNING ⚠:

Clarion Safety Camera & Monitor System products are intended to be utilized in conjunction with vehicle mirrors, parking assistance devices, and visual confirmation for safe vehicle operation within the line of sight, and are not intended to replace the use of mirrors, parking assistance devices, or good judgment and common sense. Users of Clarion Safety Camera & Monitor System products should at all times adhere to local driving laws and industry safety standards.

Clarion is not liable under any circumstances for the following:

- Incidental, special, or consequential damage or loss that occurs directly or indirectly to Clarion Camera & Monitor System products.
- Inconveniences, damages and/or losses (including those due to the user's improper use or incaution) caused by the inability to view the camera image due to reasons/causes including the malfunctioning/defect of Clarion Camera & Monitor System products.

NOTE:

Specifications and design are subject to change without notice.
Photos are non-binding. The manufacturer and importer do not take any responsibility for printing errors.
Photographs in this catalog may appear slightly different in color than the actual product due to printing ink properties.

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COMMERCIAL VISION SYSTEMS

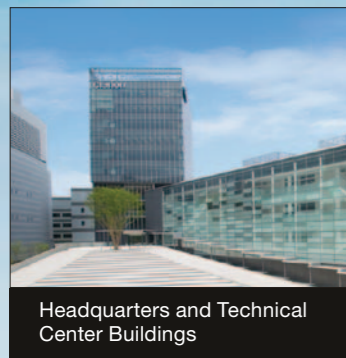
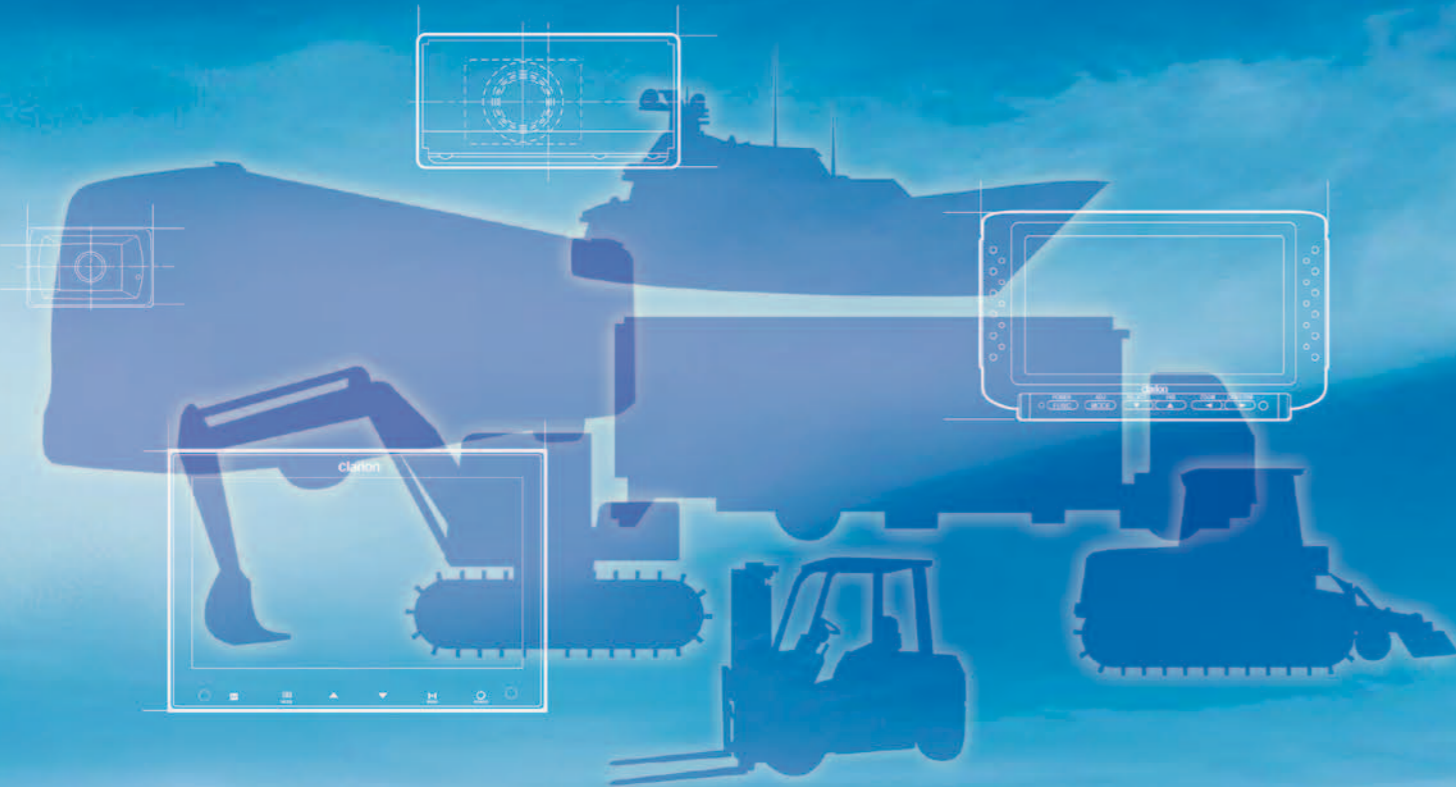
Clarion



Superior Commercial
Camera and Monitor
Solutions

Clarion is a Leading Global Manufacturer of Commercial In-Vehicle Vision Systems

Built to Meet the Most Rigorous Commercial Vehicle Challenges



Headquarters and Technical Center Buildings

As a world leader in the development and manufacturing of in-vehicle mobile electronics, Clarion has always been at the forefront of technological evolution. Our years of experience — including more than four decades of development of in-vehicle camera systems — has given us the expertise that no one can match. And nowhere is that expertise more important than in the design of commercial vision monitoring systems.

Clarion's reliability is backed up by one of the world's most rigorous production quality assurance systems. We know that our in-vehicle equipment must perform consistently and reliably no matter what the application. Whether it's a garbage truck, bus, truck, forklift, agricultural, construction, or maritime machinery, we build it to exceed your expectations.

Clarion's state-of-the-art computer design system can simulate various climatic conditions and every product goes through a wide range of quality control tests. Only when products pass these tests, are they entitled to bear the Clarion insignia and be delivered to our customers around the world. Thanks to advanced automation, Clarion's factories produce 50,000 in-vehicle CCD and CMOS cameras for both commercial and passenger cars in countries around the world each-and-every month. When it comes to in-vehicle electronics and vision systems... think Clarion first for legendary quality you can rely on.



Water Resistance

Clarion's dual chamber design and precision O-ring seals prevent water penetration regardless of what Mother Nature throws at it. The cameras are examined for water penetration to ensure watertight integrity.

Operational Shock Resistance

Built to last! Clarion cameras are designed to withstand up to a 10G (G-Force) shock.



Thermal Shock Resistance

Cycled from -40°C to $+85^{\circ}\text{C}$, Clarion cameras are put through the gauntlet. These tests are intended to expose any problems with solder joints, the PC board, and the aluminum housing.

Repetition Durability Test

Clarion examines the durability of movable parts, such as the shutter opening/closing and monitor controls by conducting more than 50,000 operational tests.



DIGITAL WIRELESS CAMERA SYSTEMS

Clarion now offers both WLAN and FH (Frequency Hopping) wireless camera systems so you can choose the one that best fits your requirements.

Advantages of Clarion Wireless Camera Systems

Clarion wireless cameras share many common features, as well as individual benefits.

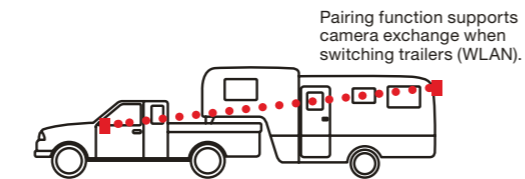
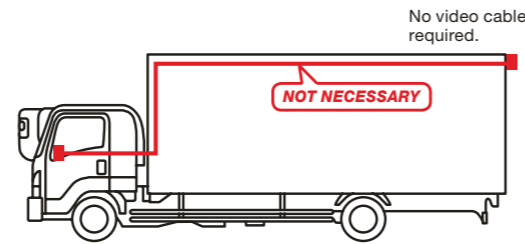
1. Reduces costs of video cables and cable installation.
2. Easier Camera System integration when regularly switching trailers (WLAN).
3. Short video signal delay (WLAN 100msec, FH 200msec at best effort).
4. Heavy duty design, built to meet rigorous commercial vehicle standards.

CC3500E/EE2178E

- Minimized video signal transmission delay.
- Easy pairing operation.

EE2179E

- Less susceptible to external signal interference.
- Longer transmission distance than WLAN gives wider vehicle applicability.



WLAN 2.4GHz DIGITAL WIRELESS CAMERA AND RECEIVER SYSTEM

Digitally transmitted images over WLAN provide safety and convenience while driving.

NEW CC3500E

Digital WLAN Camera with Transmitter

- Reduces the installation costs of connecting cables.
- Transmitter is built into the camera.
- Wireless standard: IEEE802.11b/g.
- Very short signal delay: Approximately 100 milliseconds at best effort.
- Easy pairing operation: Just press pairing button and select the camera to be paired on monitor.
- Allows for connecting with existing monitor with composite video input.

Recommended vehicle types: Mini-Van, Small Trucks, Forklift.



NEW EE2178E

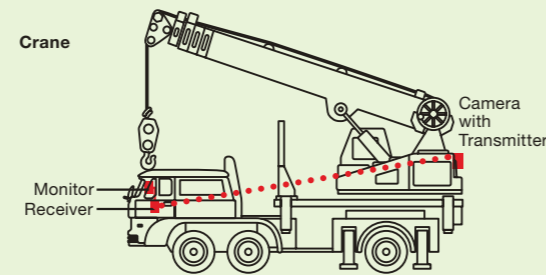
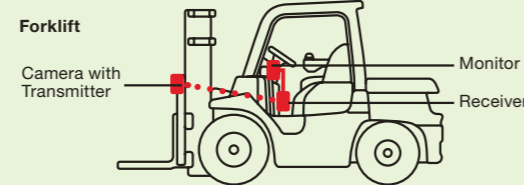
Digital WLAN Receiver



CC3500E/EE2178E System Configuration



Application Examples



Pairing Function

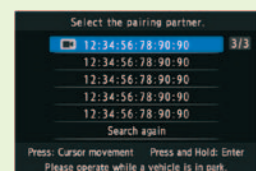


Image sample of pairing function



Pairing switch

User-friendly pairing function between the camera and receiver

Model No.	Power Supply	Power Consumption	CMOS Size	Low Light Rating (LUX)	Camera View Angle (horiz./vert.)	Wireless Standard	Transmission/Reception Frequency	Video Output	Operating Temperature Range	Vibration Resistance	Size (W x H x D mm)	Waterproof Capability	Included Accessories
CC3500E	DC 12V/24V	Less than 250mA (DC 12V)	1/3.6"	Less than 1.0	115/85	IEEE802.11b/g	2.4GHz band	-	-30°C to +70°C	6.8G	80 x 50 x 58.23	IP67	Antennas, mounting bracket
EE2178E	DC 12V/24V	Less than 200mA (DC 12V)	-	N/A	-	IEEE802.11b/g	2.4GHz band	NTSC	-20°C to +70°C	4.4G	93 x 24.5 x 108	Non-watertight	Pairing switch, RCA cord, Power supply cord, Mounting bracket

FH 2.4GHz DIGITAL WIRELESS CAMERA AND MONITOR SYSTEM

FH camera system for maximum security and minimal signal interruption.

NEW EE2179E

Digital FH Wireless Camera and Monitor System

- Reduces the installation costs of connecting cables.
- Modulation system: FH (Frequency Hopping Spread Spectrum) technology.
- Transmitter is built into the camera.
- Receiver is integrated into the 7" LCD monitor.
- Pre-Paired at manufacturer.
- Short signal delay: Approximately 200 milliseconds at best effort.

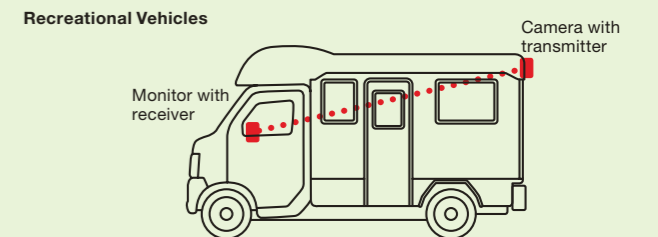
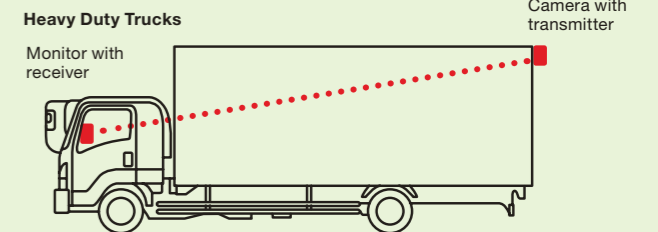
Recommended vehicle type: Commercial trucks (up to around 10m length), Recreational vehicles, etc.



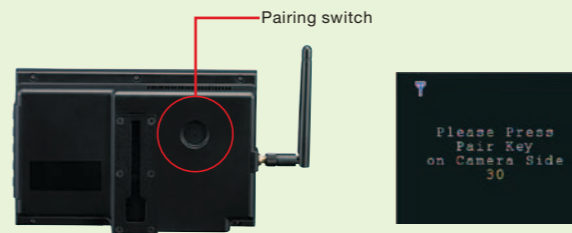
EE2179E System Configuration



Application Examples



Pairing Method



If the Camera or Monitor needs to be replaced, re-pairing can be done using the Monitor Pairing switch. (Pairing method depends on vehicle type and design of vehicle wiring harness.)

Model No.	Power Supply	Power Consumption	Screen Size (inches)	Monitor View Angle (horiz./vert.)	CMOS Size	Low Light Rating (LUX)	Camera View Angle (horiz./vert.)	Modulation System	Transmission/Reception Frequency	Operating Temperature Range	Vibration Resistance	Size (W x H x D mm)	Waterproof Capability	Included Accessories
EE2179E	DC 12V/24V	Less than 300mA (DC 12V)	-	-	1/3.6"	Less than 1.0	115/85	FHSS (Frequency Hopping Spread Spectrum)	2.4GHz band	-30°C to +70°C	6.8G	80 x 50 x 58.23	IP67	Antenna, mounting bracket
	DC 12V/24V	Less than 500mA (DC 12V)	7	45 / 45	-	N/A	-			-20°C to +70°C	4.4G	174 x 113 x 40.5	Non-watertight	Antenna, mounting bracket

Note:

- Supply power to the camera from the vehicle on which the camera is mounted.
- The wireless camera systems can not be used in some countries. Contact your Clarion Dealers for details.

Disclaimer

- These products are intended to improve blind spot viewing while operating the vehicle and promoting safe driving.
- When signal interruption occurs due to RF interference and/or environmental surroundings, the Clarion wireless camera systems may experience image jump and/or video signal loss. When video signal loss occurs, a caution screen or black screen is displayed to inform drivers of signal interruption.
- Mounting may not be possible depending on the condition of the vehicle.

CCD CAMERAS

HEAVY DUTY COLOR CCD CAMERAS

Thanks to the digital CCD image sensor, these heavy-duty cameras have exceptional picture quality.



CC2001F



Heavy Duty Color CCD Camera with Motorized Shutter
(Mirror Image/Wide Angle)

- The motorized shutter keeps dirt, water, snow, and dust off the lens when the camera is not in use. (CC2001F)
- A dual chamber design provides two moisture barriers from the outside environment to the electronics inside the camera chassis.
- Weather-Resistant Die-Cast Aluminum Housing.
- Electronic Iris.
- Stainless steel cover and brackets included.



CC2000E



Heavy Duty Color CCD Camera
(Mirror Image/Wide Angle)

CC2003E



Heavy Duty Color CCD Camera
(True Image/Wide Angle)

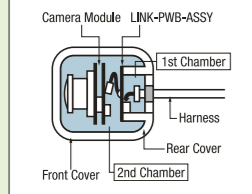
CC2002E



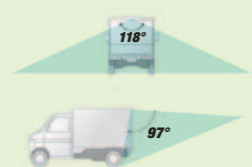
Heavy Duty Color CCD Camera
(True Image/Narrow Angle)



Dual Chamber Design



Wide View Angle



Low-Distortion Lens

The distortion typical of wide-angle lenses has been corrected with this ultra-wide-angle lens to provide a wider and more natural looking view.

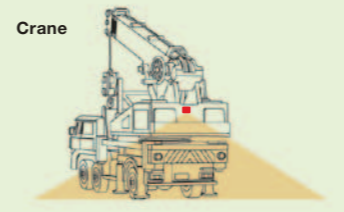


Low-Light Visibility

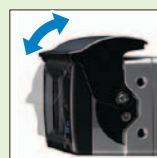
Clarion color cameras deliver even brighter, clearer images than black-and-white cameras, enabling reliable rearview monitoring in low-light situations.



Application Examples



The connector can be tightened securely with a wrench to ensure watertightness.



Opening and closing of the shutter is coupled with camera operation (CC2001F only).



Installed Image

Model No.	Number of Pixels	View Angle (horiz./vert.)	CCD Size	Low Light Rating (LUX)	Operating Temperature Range	Vibration Rating (G-force)	Size (W x H x D mm)	Weight	Waterproof Capability	Included Accessories
CC2001F	250,000	118/97	1/4"	Less than 1.0	-30°C to +70°C	10G	80 x 40.5 x 57.4	Approx. 300g	JIS D0203 S2*	Stainless Steel Cover & Bracket
CC2000E/ CC2003E	250,000	118/97	1/4"	Less than 1.0	-30°C to +70°C	10G	80 x 40.5 x 53	Approx. 260g	JIS D0203 S2*	Stainless Steel Cover & Bracket
CC2002E	250,000	40/30	1/4"	Less than 1.0	-30°C to +70°C	10G	80 x 40.5 x 53	Approx. 260g	JIS D0203 S2*	Stainless Steel Cover & Bracket

*JIS D0203 S2 : Water-resistance and humidity-resistance testing of automotive components as specified in the Japan Industry Standards. S2 means resistance to strong water pressure.

ULTRA WIDE ANGLE COMPACT COLOR CCD CAMERA

With a super-wide 160-degree horizontal angle of view, virtually nothing is left uncovered.

NEW

CC1601A



Ultra Wide Angle Compact Color CCD Camera (Mirror Image/Ultra Wide Angle)

- Ultra wide 160° wide angle view reduces blind spots.
- IP69K compliant.
- Designed to withstand severe vibrations.
- Electronic Iris.
- Stainless steel mounting bracket included.



Compact design for easy installation



Daytime Camera Image

Application Examples

Flat-body Truck



Hydraulic Shovel



Model No.	Number of Pixels	View Angle (horiz./vert.)	CCD Size	Low Light Rating (LUX)	Operating Temperature Range	Vibration Rating (G-force)	Size (W x H x D mm)	Weight	Waterproof Capability	Included Accessories
CC1601A	250,000	162/130	1/4"	Less than 3.0	-30°C to +70°C	6.8G	46 x 37 x 33.8	Approx. 145g	IP69K	Stainless Steel Mounting Bracket

IR ILLUMINATED COMPACT COLOR CCD CAMERA

Dynamic Range Function and infrared illuminators improve the driver's visibility in the darkest of situations.

NEW

CC2020E

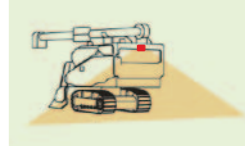


IR Illuminated Color CCD Camera (Mirror Image/Wide Angle)

- Dynamic Range Function improves the camera image clarity in both light and dark situations.
- Built-in 5 Infrared Emitters.
- Built-in microphone.
- Built-in heating element ensures the camera is ready for use at all times.
- Weather-Resistant Die-Cast Aluminum Housing.
- Electronic Iris.
- Can also be connected to a universal monitor with a composite (RCA) input terminal via the dedicated conversion cable (CCA730). (12V vehicles only)

Application Example

Combine Harvester



Model No.	Number of Pixels	View Angle (horiz./vert.)	CCD Size	Low Light Rating (LUX)	Operating Temperature Range	Vibration Rating (G-force)	Size (W x H x D mm)	Weight	Waterproof Capability	Included Accessories
CC2020E	250,000	120/90	1/4"	0.01 (LED ON)	-30°C to +70°C	6.8G	64.6 x 48.2 x 55.8	Approx. 180g	IP68	Stainless Steel Cover & Bracket

IR ILLUMINATED COLOR CCD CAMERA

Designed to meet a wide range of conditions with built-in infrared emitters, microphone, pre-heater, and more.

CC3000E



IR Illuminated Color CCD Camera (Mirror Image/Wide Angle)

- Built-in 6 infrared Emitters.
- Built-in microphone.
- Built-in heating element ensures the camera is ready for use at all times.
- Weather-Resistant Die-Cast Aluminum Housing.
- Electronic Iris.
- Can also be connected to a general-purpose monitor with a composite (RCA) input terminal via the dedicated conversion cable (CCA730). (12V vehicles only)



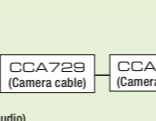
Installed Image



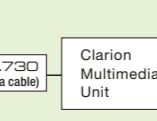
Nighttime Camera Image



CC3000E (Mirror/Wide/IR/Audio)



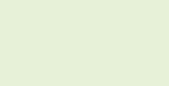
CCA728 (Camera cable) CCA730 (Camera cable)



Clarion Multimedia Unit

Application Example

Recreational Vehicle



Model No.	Number of Pixels	View Angle (horiz./vert.)	CCD Size	Low Light Rating (LUX)	Operating Temperature Range	Vibration Rating (G-force)	Size (W x H x D mm)	Weight	Waterproof Capability	Included Accessories
CC3000E	250,000	95/70	1/3"	0.01 (LED ON)	-10°C to +60°C	6.8G	70 x 44 x 57	Approx. 238g	IP67	Stainless Steel Cover & Bracket

Note: Microphone function of CC2020E/CC3000E is available only in combination with the CJ7100E, CJ7300G and CJ7500E.

CCD AND CMOS CAMERAS

ULTRA COMPACT COLOR CMOS CAMERA with HEAVY DUTY BRACKET


Offering maximum quality in minimum size together with stainless-steel bracket for unsurpassed performance and quality.

CC4100E


Ultra Compact Color CMOS Camera

- Excellent 130° wide angle view minimizes blind spots.
- 307,200 Pixel High Quality Picture Image.
- Designed to withstand severe vibrations.
- Compact and lightweight design for easy installation.
- Electronic Iris.
- Heavy duty stainless steel cover and mounting bracket included.



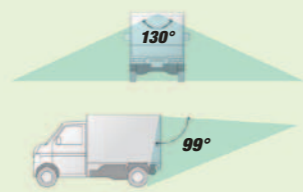


Daytime camera image




Nighttime camera image

Wide View Angle



Application Examples



Model No.	Number of Pixels	View Angle (horiz./vert.)	CMOS Size	Low Light Rating (LUX)	Operating Temperature Range	Vibration Rating (G-force)	Size (W x H x D mm)	Weight	Waterproof Capability	Included Accessories
CC4100E	307,200	130/99	1/4"	Less than 3.0	-30°C to +70°C	6.8G	23.4 x 23.4 x 22	Approx. 80g	JIS D0203 S2*	Stainless Steel Cover and Bracket

ULTRA COMPACT COLOR CCD CAMERA with TRUE IMAGE

Versatile compact camera for front or side viewing, as well as in-vehicle surveillance.

CC2012E

Ultra Compact Color CCD Camera

- Compact and lightweight design for easy installation.
- Mounting bracket included.
- Electronic Iris.

Optional Camera Cover for CC2012E
PQE033




Model No.	Number of Pixels	View Angle (horiz./vert.)	CCD Size	Low Light Rating (LUX)	Operating Temperature Range	Vibration Rating (G-force)	Size (W x H x D mm)	Weight	Waterproof Capability	Included Accessories
CC2012E	250,000	130/97	1/4"	Less than 3.0	-30°C to +70°C	6.8G	27 x 25 x 28.3	Approx. 72g	JIS D0203 S2*	Mounting Bracket

ULTRA COMPACT COLOR CMOS CAMERA with RCA VIDEO CONNECTOR

Compact wide-angle model ideal for passenger vehicles.

CC4001U

Ultra Compact Color CMOS Camera (for 12V vehicle only)

- 130° wide angle view.
- 307,200 Pixel Picture Image.
- Video RCA output for use with any monitor with RCA Video input. (12V vehicles only)
- Electronic Iris.
- Compact and lightweight design for easy installation.



Model No.	Number of Pixels	View Angle (horiz./vert.)	CMOS Size	Operating Temperature Range	Vibration Rating (G-force)	Size (W x H x D mm)	Weight	Waterproof Capability	Included Accessories
CC4001U	307,200	130/99	1/4"	-30°C to +70°C	3G	23.4 x 23.4 x 22	Approx. 130g	JIS D0203 S2*	Mounting Bracket

*JIS D0203 S2: Water-resistance and humidity-resistance testing of automotive components as specified in the Japan Industry Standards. S2 means resistance to strong water pressure.

LCD COLOR MONITORS

7" WATERPROOF WIDESCREEN DIGITAL QUAD COLOR MONITOR

Built tough to withstand the harshest working environments, Clarion's quad screen monitor now boasts waterproof capability to ensure maximum reliability under any conditions.

NEW

CJ7500E

7" Waterproof Widescreen Digital Quad Color Monitor

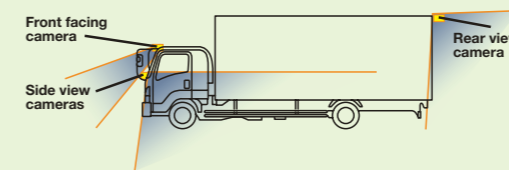
(Compatible with both DC12V and 24V)

- Waterproof capability: IP67.
- Aluminum die-cast housing.
- Digital LCD panel delivers a high-quality image.
- 4 Display Modes: single, two, three or four screens.
- Built-in power box allows direct connection of up to 4 cameras.
- True or mirror camera image switching function.
- Automatic video switching with reverse gear and turn signal inputs. (When the driver uses reverse gear or right/left turn signals, the monitor displays the corresponding camera.)
- Automatic/manual dimmer function.
- On-screen distance marker (Camera 1 only).
- Built-in speaker (works in combination with the CC3000E's microphone).
- 8 Languages (English/French/German/Italian/Spanish/Swedish/Chinese/Japanese) display selection.
- U-bracket dash mounting kit and sun visor included.



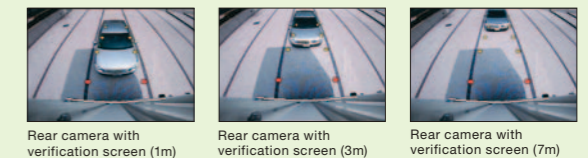
Dash mounting kit and sun visor included.

Camera Coverage Areas



On-screen Distance Markers

On-screen markers are displayed at 1m, 3m, 5m, and 7m for reference to support proximity verification.



2-screen display



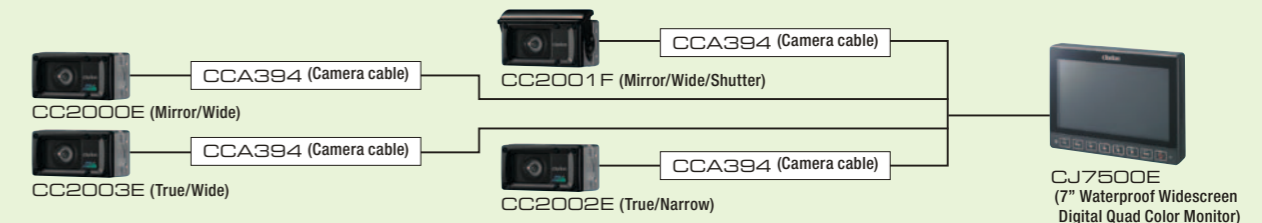
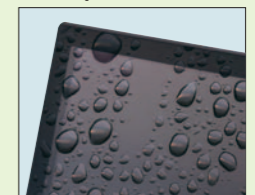
3-screen display



4-screen display



Waterproof Screen



Model No.	Screen Size (inches)	Power Supply	Power Consumption	Picture Element Pixels	Operating Temperature Range	Size (W x H x D mm)	Weight	Camera Inputs	Video Input	Audio Input	On-screen Distance Marker	Included Accessories
CJ7500E	7	DC 12V/24V	900mA (DC 12V, in case of connecting four cameras)	800 x 3 (RGB) x 480	-10°C to +60°C	190 x 29 x 141	Approx. 879g	4	No	Yes (CC3000 audio func.)	Yes	Mounting bracket, Sunvisor, Monitor cable

LCD COLOR MONITORS

7" WIDESCREEN DIGITAL COLOR QUAD MONITOR

Clarion's quad camera monitor shows you what you need to see; when and where you need to see it most.

CJ7300G

7" Widescreen Digital Quad Color Monitor

(Compatible with both DC 12V/24V)

- Digital LCD panel delivers a high-quality image.
- 4 Display Modes: single, two, three or four screens.
- Built-in power box allows direct connection of up to 4 cameras.
- LED Backlighting.
- True or Mirror camera image switching function.
- Automatic video switching with reverse gear and turn signal inputs.
- Automatic/Manual dimmer function.
- On-screen Distance Marker (Camera 1 only).
- Built-in Speaker (works in combination with the CC3000E's microphone*).
- Touch-panel buttons and 8 Languages (English/French/German/Italian/Spanish/Swedish/Chinese/Japanese) display selection.
- Color, Brightness, and Contrast controls.
- Auxiliary (RCA) Video and Mono Audio Input.
- NTSC/PAL Compatible.
- On-dash mounting kit and wireless remote control included.



* Only CAMERA 1 input can be used with the CC3000E's microphone function.

On-screen Distance Markers

On-screen markers are displayed at 1m, 3m, 5m, and 7m for reference to support proximity verification.

Camera Coverage Areas

Front facing camera
Side view cameras
Rear view camera

CCA394
(Camera cable)

CCA534
(Camera cable)

CCA729
(Camera cable)

CC3000E
(Mirror/Wide/IR/Audio)

CC2001F
(Mirror/Wide)

Model No.	Screen Size (inches)	Power Supply	Power Consumption	Picture Element Pixels	Operating Temperature Range	Size (W x H x D mm)	Weight	Camera Inputs	Video Input	Audio Input	On-screen Distance Marker	Included Accessories
CJ7300G	7	DC 12V/24V	900mA (DC 12V, in case of connecting four cameras)	800 x 3 (RGB) x 480	-10°C to +60°C	174 x 125 x 25	Approx. 480g	4	1 (RCA)	1 (Mono/RCA)	Yes	Mounting Bracket, Monitor Cable

6.5" WIDESCREEN COLOR LCD MONITOR

6.5" high definition wide screen TFT liquid crystal panel display with front button controls.

CJ981E

6.5" Widescreen Color LCD Monitor

(Compatible with both DC12V and DC24V)

- Automatic video switching with reverse gear and turn signal inputs.
- Automatic/Manual dimmer function.
- On-screen distance marker.
- Camera selection, ZOOM, IRIS ON/OFF can be performed with the front buttons or via optional wired remote control (RCB174).
- Built-in IRIS function (backlight compensation function).

Note : An additional power box is necessary when using the CJ981E.
Digital Zoom/IRIS function can be used only with the CC2001F/CC2000E/CC2003E/CC2002E.



EA1232A
Power Box for CJ981E

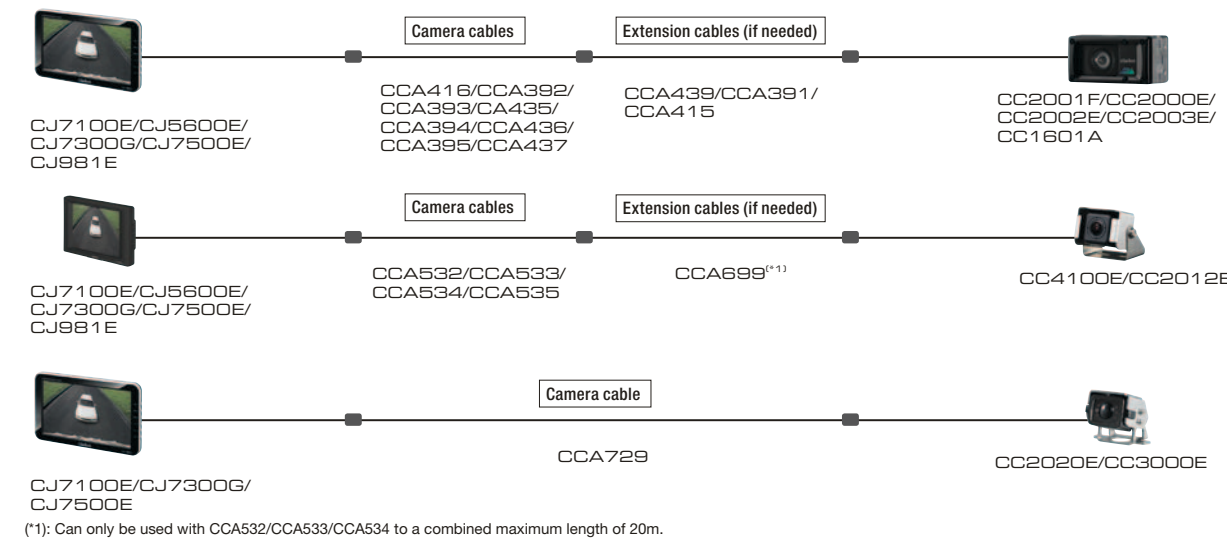
EA1246A
Power Box for CJ981E (with Three-Camera Selector)

RCB174
Optional Wired Remote Control for EA1246A

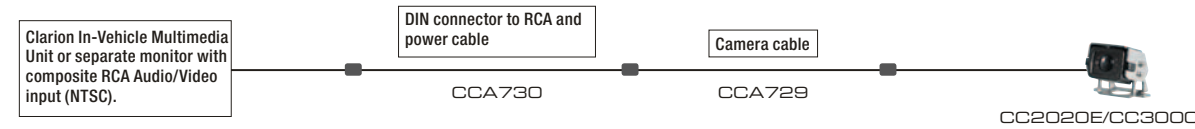
Model No.	Screen Size (inches)	Power Supply	Power Consumption	Picture Element Pixel	Operating Temperature Range	Size (W x H x D mm)	Weight	Camera Input	Video Input	Audio Input	On-screen Distance Marker	Included Accessories
CJ981E	6.5	DC 12V/24V (requires power box)	Less than 2A (with CJ981E)	234 x 480	-20°C to +60°C	194 x 116 x 28.3	Approx. 500g	3 (with EA1246A)	Yes (requires power box)	Yes (requires power box)	Yes	Mounting Bracket, Monitor Cable
Model No.	Power Supply	Power Consumption	Operating Temperature Range	Size (W x H x D mm)	Weight	Camera Input(s)	Video Input	Video Output	Included Accessories			
EA1232A	DC 12V/24V	Less than 2A (with CJ981E)	-20°C to +60°C	155 x 37.5 x 115	580g	1	1 (RCA)	1 (RCA)	Wired Remote Control (Included)			
EA1246A	DC 12V/24V	Less than 2A (with CJ981E)	-20°C to +60°C	200 x 37.5 x 100	660g	3	1 (RCA)	1 (RCA)	Wired Remote Control (RCB174) Optional			

System Examples of Wired Camera Systems

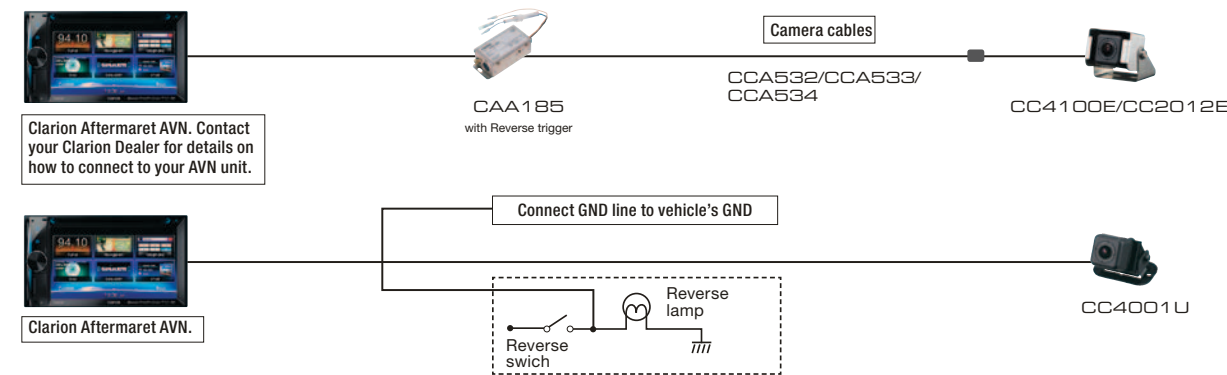
Combination with Clarion Rearview Color Monitors



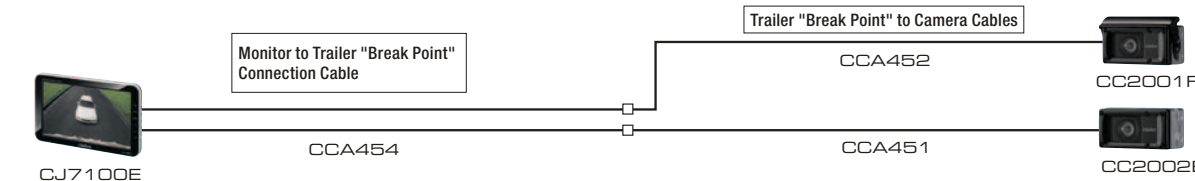
Combination with any monitor with composite A/V inputs (NTSC) using CC2020E/CC3000E (12V vehicle only)



Combination with Clarion Aftermarket AVN (12V vehicle only)



System for Trailer Trucks



WLAN Digital Wireless Camera and Receiver



Accessories

Camera Power Box (12V vehicles only)

- CAA185
- Camera power supply for Clarion cameras (except for CC4001U).
- Reverse wire trigger input.
- Composite (RCA) video output.
- 12V vehicles only.



Optional Camera Cover for CC2012E

- PQE033
- Compatible with CC2012E camera.
- Molded plastic cover for a "finished look" on the vehicle.



Heavy Duty Camera Cables for: CC2001F, CC2002E, CC2003E, CC2000E, CC1601A

- CCA416 (5m / 16ft.)
- CCA392 (7m / 23ft.)
- CCA393 (10m / 33ft.)
- CCA435 (13m / 42ft.)
- CCA394 (15m / 49ft.)
- CCA436 (18m / 59ft.)
- CCA395 (20m / 65ft.)
- CCA437 (23m / 75ft.)



Camera Extension Cables

- CCA439 (0.9m / 3ft.)
- CCA391 (5m / 16ft.)
- CCA415 (10m / 33ft.)



Camera Cables for: CC4100E, CC2012E

- CCA532 (7m / 23ft.)
- CCA533 (10m / 33ft.)
- CCA534 (15m / 49ft.)
- CCA535 (20m / 65ft.)



Camera Extension Cable for CC4100E, CC2012E

- CCA699 (5m / 16ft.)



Cables & Installation Kit for Trailer

Trailer "Break Point" to Camera Cables / Connection Cable between the "Break Point" and Clarion Heavy Duty Camera

- CCA452 (20m / 65ft.)
- CCA453 (15m / 49ft.)
- CCA451 (5m / 16ft.)



Monitor to Trailer "Break Point" Connection Cable

- CCA454 (15m / 49ft.)



Camera Cables for CC2020E, CC3000E

- CCA728 (20m / 65ft.)
- For connecting CJ981E.
- CCA729 (20m / 65ft.)
- For connecting CJ5600E/CJ7100E/CJ7300G/CJ7500E



CCA730

- Universal power, audio/video pigtail adapter for CCA729.
- DIN connector to RCA and power connectors: Allows the CC2020E/CC3000E camera to be interfaced with any monitor with composite A/V inputs.
- 12V vehicles only.



Compatibility Chart for Cameras and Cables

Monitor	Cables	Camera Types			
		CC2001F, CC2002E, CC2003E, CC1601A	CC4100E, CC2012E	CC2020E, CC3000E	
Clarion Rear View Monitors CJ7100E/CJ5600E/CJ7300G/ CJ7500E/CJ981E	Camera Connecting Cables	5m / 16ft. CCA416	-	-	-
		7m / 23ft. CCA392	-	-	-
		10m / 33ft. CCA393	-	-	-
		13m / 42ft. CCA435	-	-	-
		15m / 49ft. CCA394	-	-	-
		18m / 59ft. CCA436	-	-	-
		20m / 65ft. CCA395	-	-	-
		23m / 75ft. CCA437	-	-	-
	Camera Extension Cables	0.9m / 3ft. CCA439	-	-	-
		5m / 16ft. CCA391	-	-	-
		10m / 33ft. CCA415	-	-	-
	Trailer "Break Point" to Camera Cable	20m / 65ft. CCA452	-	-	-
	15m / 49ft. CCA453	-	-	-	
	5m / 16ft. CCA451	-	-	-	
Cabin(monitor) to Trailer Break Cable	15m / 49ft. CCA454	-	-	-	
Composite RCA Audio/Video input (NTSC)	DIN connector to RCA and power cable	1m / 3ft. -	-	CCA729 and CCA730 (*3)	

(*1): Can only be used with CCA532/533/534 to a combined maximum length of 20m.

(*2): CCA729: For connecting to CJ5600E/CJ7100E/CJ7300G/CJ7500E CCA728: For connecting to CJ981E

(*3): Allows CC3000E camera to be interfaced with any monitor with composite RCA A/V inputs (NTSC). CCA730 adaptor can only be used in combination with CCA729. 12V vehicles only.