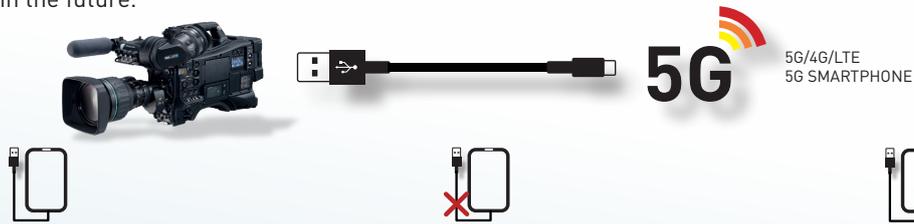


# CX SERIES FIRMWARE UPDATE

## ADVANCED NETWORK CONNECTIVITY AJ-CX4000/AG-CX350

The support for 5G/4G connectivity is added for mobile data transfer on the go. Panasonic premieres USB Tethering with mobile phones (iPhone and Android) for LIVE IP Streaming and file transfer\* in CX-Series simultaneously charging the battery of the handset. By utilizing the shared hotspot function the camcorder is ready for all data transmission technologies that are coming to mobile phones in the future.



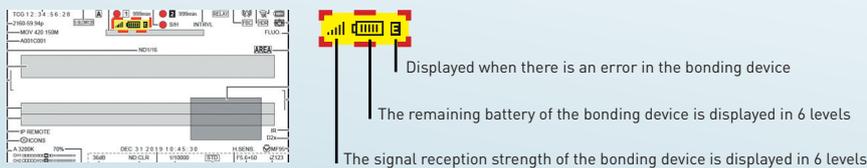
Connected. State where communication between camera and smartphone is established. Whether you can connect to the Internet depends on the smartphone side.

Unconnected. This icon is used even if the USB cable is already connected and the smartphone tethering is off.

CX ROP App connected. Tethering is on and ROP App connected.

## USAGE OF BONDING DEVICES AND STATUS DISPLAY AJ-CX4000/AG-CX350

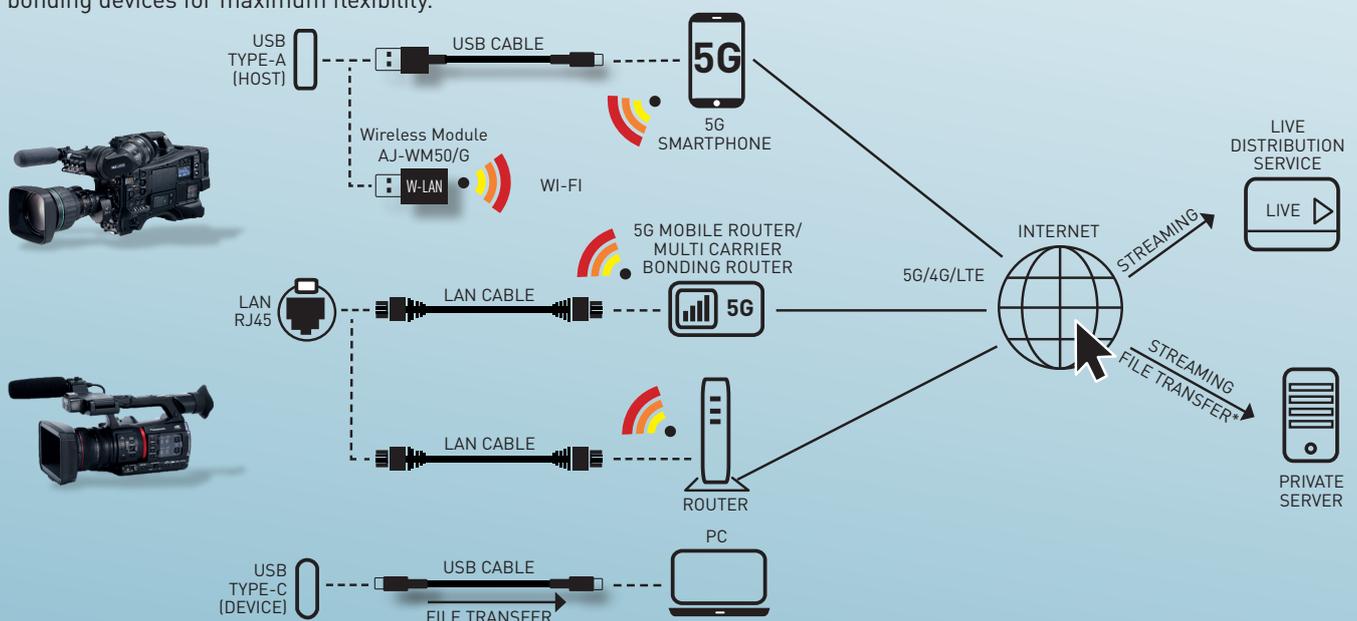
Support for OSD (On-Screen-Display) of device information when connecting to a bonding device (LiveU, TVU) is added to AJ-CX4000 and AG-CX350. The streaming output uses the streaming data generated by the camera itself and the bonding unit is used as a multi-carrier bonding router. The bonding device is connected via wired LAN connection to the camera.



## SUITE OF WIRELESS WORKFLOWS FOR ENG AND LIVE IP STREAMING APPLICATIONS

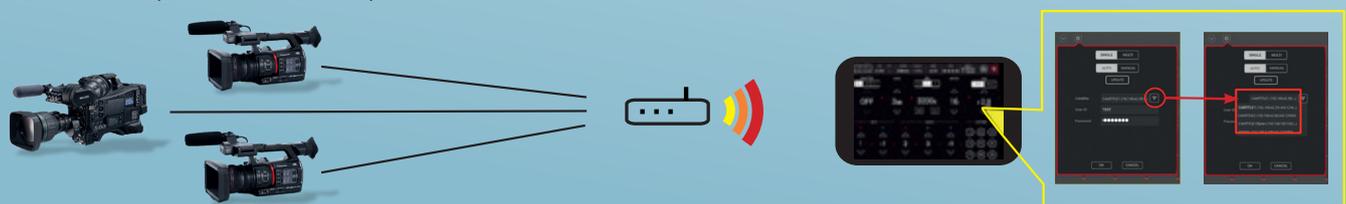
AJ-CX4000/AG-CX350

Local file transfer is possible via USB 3.1 connection, wired and wireless LAN for IP LIVE Streaming, Control Input and file transfer\* as well as tethering the camera to a mobile handset or utilizing bonding devices for maximum flexibility.



## UPDATED CX ROP APP WITH AUTOMATED DEVICE RECOGNITION AJ-CX4000/AG-CX350

The newly updated CX ROP app searches for cameras in the same network and automatically lists CX-Series cameras that can be connected (for iOS and Android).



## REMOTE CONTROL

### AG-CX350

Support for control by AW-RP150 is added. AG-CX350 can be controlled by wired or wireless connection alongside PTZ cameras from the same PTZ desk controller. With Firmware 4.03 [AG-CX350]



Newly added „R“-Icons for active remote control by wireless (left) or wired (right) LAN connection With Firmware 4.03 [AG-CX350]



### AJ-CX4000

Support for control by AK-HRP1000/HRP1015 is added. AJ-CX4000 can be controlled by wired connection from a desk ROP alongside other studio cameras. With Firmware 3.04 [AG-CX4000]

Newly added control options for AJ-CX4000 and AG-CX350 by ROP and RP respectively:

CATEGORY	FUNCTIONS (Red Addition from CX ROP application)	CX4000	CX350
LENS CONTROL	ZOOM, FOCUS	-	✓
	IRIS	✓	✓
PAINT CONTROL	R/B GAIN, R/B PED, M.PED, COLOR TMP, SHUTTER, KNEE, GAMMA, AWB, ABB, DTL, SKIN DTL, MATRIX, COLOR CORRECTION	✓	✓
AUDIO SETTING	LEVEL*, LIMITTER, MIC LOWCUT	✓	✓
CAMERA CONTROL	REC, TALLY, ALARM, CHAR, BARS, MENU (Switching Menu ON/OFF to Video Outputs/LCD/VF)	✓	✓
	OIS*	-	✓

## CREATIVE WORKFLOWS AJ-CX4000/AG-CX350

High Dynamic Range is supported by Hybrid Log Gamma (HLG) curve in all recording formats and selectable on live video outputs (SDI/HDMI). The newly added V-LOG colour gamut inherited from the VariCam-Series enables more flexibility in post-production workflows to achieve a rich picture style and great cinematic looks. With Firmware 3.04 [AJ-CX4000] / Firmware 3.02 [AG-CX350]

## NEW SETS OF CODECS CX10

The necessary P2 MXF codecs to support ENG workflows are going to be implemented into AG-CX10 making it the smallest P2HD-compatible camcorder Panasonic has ever developed. P2 MXF codecs can be recorded onto microP2 or SDXC UHS-II V90 cards.

OFFICIAL NAME	SHORT NAME (FOR OSD MENU)	PIXELS	COLOR SAMPLE	BIT DEPTH	BIT RATE	FILE FORMAT	SYSTEM FREQUENCY								AUDIO			MODELS	
							59,94p	50p	29,97p	25p	24p	23,98p	59,94i	50i	Codec	Ch *2	Bit Rate/1ch		
AVC-Intra200	AVC-I200	1920x1080	4:2:2	10 bit	200M [59.94i]	MXF [OP-ATOM]								✓	✓	24 bit LPCM	4	1152k	CX4000/ CX350
		1280x720	4:2:2	10 bit	200M [59.94P]	MXF [OP-ATOM]	✓	✓											
AVC-Intra100	AVC-I100	1920x1080	4:2:2	10 bit	100M [59.94i]	MXF [OP-ATOM]	✓	✓						✓	✓	24 bit LPCM	4	1152k	ALL (CX10 no 50p/ 59.95p)
		1280x720	4:2:2	10 bit	100M [59.94P]	MXF [OP-ATOM]	✓	✓											
AVC-Intra50	AVC-I50	1440x1080	4:2:0	10 bit	50M [59.94i]	MXF [OP-ATOM]								✓	✓	24 bit LPCM	4	1152k	ALL
		1280x720	4:2:0	10 bit	50M [59.94P]	MXF [OP-ATOM]	✓	✓											
AVC-Intra422	AVC-I422	1920x1080	4:2:2	10 bit	200M [59.94p]	MXF [OP1b]	✓	✓								24 bit LPCM	4	1152k	CX4000/ CX350
AVC-LongG50	AVC-G50	1920x1080	4:2:2	10 bit	50M [59.94i] VBR	MXF [OP1b]								✓	✓	24 bit LPCM	4	1152k	ALL
		1280x720	4:2:2	10 bit	50M [59.94P] VBR	MXF [OP1b]	✓	✓											
AVC-LongG25	AVC-G25	1920x1080	4:2:2	10 bit	25M [59.94i] VBR	MXF [OP1b]	✓	✓						✓	✓	24 bit LPCM	4	1152k	ALL
		1280x720	4:2:2	10 bit	25M VBR	MXF [OP1b]	✓	✓											
AVC-LongG12	AVC-G12	1920x1080	4:2:0	8 bit	59.94i] VBR	MXF [OP1b]	✓	✓						✓	✓	16 bit LPCM	4	768k	ALL
		1280x720	4:2:2	8 bit	12M VBR	MXF [OP1b]	✓	✓											

\*AG-CX10 is limited to 2 audio ch. recording.

DOWNLOAD FIRMWARE



AG-CX10 (ver.1.2)



AG-CX350 (ver. 4.03)



AJ-CX4000 (ver. 3.04)