



## Wireless File Transmitter WFT-E7 Specification Sheet

Type		
	Type	Image transfer accessory compatible with IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n wireless LAN (IPsec-compatible). Can be connected via internal Bluetooth to GPS devices
	Compatible cameras	Canon EOS 5D Mark III
Communication		
	FTP Transfer EOS Utility WFT Server Linked shooting Media server	Transfer images over a network to FTP servers EOS Utility-based control of cameras over a network Browser-based remote capture and downloading of images over a network Wirelessly trigger shooting by slave cameras linked to a master camera Transfer images over a network to DLNA-compatible media players
FTP Transfer		
	Compatible operating systems	Windows XP Professional, Windows Vista (Business, Enterprise or Ultimate Edition for 32- or 64-bit systems), Windows 7 (Professional, Enterprise or Ultimate Edition for 32- or 64-bit systems). Mac OS X 10.6, 10.7 <sup>1</sup>
	Image transfer	Automatic transfer Image sel./transfer <sup>2,3,4</sup> Transfer with SET <sup>5</sup> Transfer with caption <sup>6,7,8</sup>
	Automatic retransfer of images that failed to be transferred	Yes
	Image transfer for media-specific recording	The size and type of images to transfer automatically can be specified when using media-specific recording or when recording simultaneously in RAW and JPEG format. Size of JPEGs to transfer: [Larger JPEG] or [Smaller JPEG] Size of RAW images to transfer: [Larger RAW] or [Smaller RAW] RAW+JPEG images to transfer: [JPEG only], [RAW only] or [RAW+JPEG]
	Checking image transfer status	During image transfer: The <LAN> lamp blinks to indicate that image transfer is in progress Selecting the [Communication settings] menu item displays the following information on the camera LCD monitor: connection method, link speed, file number of the image being transferred, and number of images remaining to transfer. After shooting or image transfer: Selecting [Sel.Image] in the [Image sel./transfer] menu displays an icon near the upper-left corner of the image that indicates the image status: not selected, pending transfer, transfer failed or transfer complete.
EOS Utility		
	Compatible operating systems	Windows XP Home Edition or Professional (both with Service Pack 2), Windows Vista and Windows 7 (all editions except Starter Edition; 32- or 64-bit) or Mac OS X 10.6, 10.7
	Pairing feature	WFT Pairing Software is used to detect Canon EOS-1D X camera on the network and connect automatically
	Compatible software	EOS Utility <sup>9</sup>
WFT Server		
	Compatible operating systems	Any device with a browser can be used, regardless of operating system
	Remote capture	Camera control <sup>10</sup> , Simple control <sup>11</sup> , Capture only <sup>12</sup>
	Image viewing and downloading	Thumbnails of images recorded on memory cards in the camera can be viewed. Images can be downloaded to the computer one by one
	Simultaneous access	One camera can be accessed by users at up to three computers at once
	Port number	Can be changed
	Supported languages	English, German, French, Italian, Spanish, Russian, Simplified Chinese, Korean and Japanese
Linked Shooting		
	Slave cameras	Max. 10 <sup>13</sup>
	Transmission range	Approx. 100 m / 328 ft. from the master camera (when signal strength is favorable)
Wireless Time Sync		
	Time Sync	Master camera time is set for the Canon EOS 5D Mark III units (up to 10 units) connected in the wireless LAN Setting margin of error with master camera: Maximum approx. ±0.05 sec

Wireless LAN		
	Standards compliance	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n
	Transmission method	OFDM modulation (IEEE 802.11a,g, n) DS-SS modulation (IEEE 802.11b)
	Transmission range	Approx. 150 m / 498 ft. <sup>14, 15</sup>
	Transmission frequency	Version Frequency Channel 2412 - 2472 MHz 1 - 13 ch 5180 - 5320 MHz 36 - 64 ch 5500 - 5700 MHz 100 - 140 ch
	Wireless LAN configuration methods	Connect with wizard Connection using Wi-Fi Protected Setup <sup>16</sup>
	Connection method	Infrastructure, Ad hoc (IEEE 802.11a/11b/11g)
	Link speed (max.)	IEEE 802.11a: 54 Mbps IEEE 802.11b: 11 Mbps IEEE 802.11g: 54 Mbps IEEE 802.11n: 150 Mbps
	Signal strength display	Indicated on a scale of one to four on the rear LCD panel, in an antenna icon
	Link speed display	Indicated on a scale of one to twelve on the camera LCD monitor. (1 -150 Mbps) 1/2/5.5/6/9/11/12/18/24/36/48/54...150 Mbps
	Connection restrictions for security	Supports SSID and MAC address filtering
	Receiver	Wireless LAN access point or adapter compatible with IEEE802.11a, IEEE 802.11b, IEEE 802.11g or IEEE 802.11n
Wired LAN		
	Standard	IEEE 802.3u (Ethernet 10BASE-T, 100BASE-TX, 1000BASE-T)
	Link speed (max.)	1000Mbps
LAN Settings		
	Settings	Five types of settings can be set and registered regarding image transfer and the wireless and wired network, as well as the FTP server
	Configuration methods	Using connection wizards or menu functions on the camera
	Error messages	An error number and corresponding message is displayed on the camera LCD monitor
Bluetooth		
	Bluetooth specifications	Wireless communication system: Bluetooth v2.1+EDR Frequency band: 2.4 GHz band Transmission speed: Up to approx. 3 Mbps
Connected GPS		
	Compatible GPS devices	Garmin GPSMAP or eTrex series Magellan eXplorist series <sup>17</sup>
	Added information	Information including the latitude, longitude, altitude and Coordinated Universal Time of shots. Added information can be checked while reviewing images by pressing the INFO button
	Connection methods	Internal Bluetooth
Interface		
	Camera connection	USB
Power Supply		
	Power supply	One LP-E6 battery pack
	Power switch	Yes
	Power-saving features	If [Enable] is set for the [LAN power save] option, the device logs off from the FTP server and the wireless LAN is set to a sleep state after the FTP transfer is completed. <sup>18,19,20,21,22</sup>
Physical Specifications		
	Body Materials	20% PC-G (fiberglass-reinforced polycarbonate resin)
	Color	Black
	Dimensions	134.1×31.1×62.2 (mm)
	Weight	165g
	Operating Environment	0 - 45 °C, 85% or less humidity
Related Products		
	Accessories	Storage case, Port cover, strap, Interface cables (25cm and 1.5m), Cable band, tripod screw, tripod screw case

All data is based on Canon standard testing methods except where indicated  
Subject to change without notice

- [1] The operating system must enable the computer to be set up as an FTP server in advance.
- [2] Selection of desired images for transfer after shooting
- [3] Supports transfer by selecting folders
- [4] Supports batch transfer of all images on a card
- [5] Transfer of the currently displayed image using the SET button
- [6] In EOS Utility, users can create and save up to 15 different captions of 31 characters each
- [7] A selected caption can be added to the last captured image before manual transfer
- [8] Captions added to images can be checked by examining the Exif information, in the user comments.
- [9] All features available when connected via USB are also available
- [10] Detailed settings can be configured for Live View shooting, focusing and shooting functions, etc.
- [11] Only Live View shooting and focusing are supported
- [12] Only release is possible (from browsers that do not support JavaScript)
- [13] These combinations of equipment are intercompatible: 1D Mark IV and WFT-E2 II, 5D Mark II (requires firmware update) and WFT-E4 II, and 7D and WFT-E5, EOS-1D X and WFT-E6
- [14] With no obstructions between the transmitting and receiving antennas and no radio interference
- [15] With a large, high-performance antenna attached to the wireless LAN access point
- [16] When using access points that support Wi-Fi Protected Setup, connection is possible in Pushbutton Connection mode or PIN Code mode
- [17] Can be used with GPS devices that produce data in the format NMEA 0183 Ver.3.0.1 as well as some devices that produce Garmin protocol data
- [18] Using a fully charged LP-E6
- [19] Under Camera & Imaging Products Association (CIPA) conditions for testing shooting capacity, when using automatic image transfer with images that are approximately 6 MB
- [20] Fewer images can be transferred if the wireless LAN transfer rate drops, and for consecutive image transfer over wireless LAN
- [21] Fewer images can be transferred when using bus-powered external media or GPS devices
- [22] If the remaining battery level drops below 19%, captured images cannot be transferred or backed up to external media