OPEN PROTOCOL FOR ELECTRICAL NETWORKS

Open Web Net
WHO=7

Brand	Item
Legrand	
BTicino	F453AV

Document History

Version	Date	Author
1.0.0	01/10/2010	My Open Staff

Updating description: FIRST VERSION

Version	Date	Author
1.0.1	01/12/2011	My Open Staff

Updating description: UPDATE Video Server

Index

WHO = 7   MULTIMEDIA SYSTEM

In this document you can find all the OpenWebNet frames used to control the camera of the Video Door Entry system catalogue.

1. WHAT Table

WHAT	Description
0	Receive Video
9	Free Audio/Video Resources
…	…
120	Zoom In
121	Zoom Out
…	…
130	Increases X coordinate of the central part of the image to be zoomed
131	Decreases X coordinate of the central part of the image to be zoomed
…	…
140	Increases Y coordinate of the central unit part of the image to be zoomed
141	Decreases Y coordinate of the central part of the image to be zoomed
…	…
150	Increases luminosity
151	Decreases luminosity
…	…
160	Increases contrast
161	Decreases contrast
…	…
170	Increases color
171	Decreases color
…	…
180	Increases image quality
181	Decreases image quality
…	…
311	Display DIAL 1-1
312	Display DIAL 1-2
313	Display DIAL 1-3
314	Display DIAL 1-4
…	…
321	Display DIAL 2-1
322	Display DIAL 2-2
323	Display DIAL 2-3
324	Display DIAL 2-4
…	…
331	Display DIAL 3-1
332	Display DIAL 3-2
333	Display DIAL 3-3

334	Display DIAL 3-4
…	…
341	Display DIAL 4-1
342	Display DIAL 4-2
343	Display DIAL 4-3
344	Display DIAL 4-4
…	…

2. WHERE Table

WHERE	Description
4000	Camera 00
4001	Camera 01
4002	Camera 02
4003	Camera 03
…	…
4099	Camera 99

3. Commands session

3.1   Received Video command (WHAT = 0)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*0*WHERE*##	WHERE = [4000-5000]
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*0*WHERE*##	WHERE = [4000-5000]

3.2   Free video channel / Free audio and video resource command (WHAT = 9)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*9**##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*9**##	

3.3   Zoom IN command (WHAT = 120)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*120##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*120##	

3.4   Zoom OUT command (WHAT = 121)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*121##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*121##	

3.5   Increase X coordinate command (WHAT = 130)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*130##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*130##	

3.6   Decrease X coordinate command (WHAT = 131)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*131##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*131##	

3.7   Increase Y coordinate command (WHAT = 140)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*140##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*140##	

3.8   Decrease Y coordinate command (WHAT = 141)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*141##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*141##	

3.9   Increase luminosity command (WHAT = 150)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*150##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*150##	

3.10 Decrease luminosity command (WHAT = 151)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*151##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*151##	

3.11 Increase contrast command (WHAT = 160)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*160##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*160##	

3.12 Decrease contrast command (WHAT = 161)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*161##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*161##	

3.13 Increase color command (WHAT = 170)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*170##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*170##	

3.14 Decrease color command (WHAT = 171)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*171##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*171##	

3.15 Increase image quality command (WHAT = 180)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*180##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*180##	

3.16 Decrease image quality command (WHAT = 181)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*181##	
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*181##	

3.17 Display DIAL X-Y command (WHAT = 3XY)

Command Session	Open Frame	Notes
TCP/IP: Client -> Server	*7*3XY##	X and Y can be assigned these following values: 11, 12,13,14; 21, 22, 23, 24; 31, 32, 33, 34; 41, 42, 43, 44;
TCP/IP: Server -> Client	*#*1## or *#*0##	**ACK:** if the command is sent to the Bus **NACK:** if the command is not sent to the Bus
Events Session		
TCP/IP: Server -> Client	*7*3XY##	See upper comments.

4. Video Server

The web server makes available the pictures coming from selected camera. The pictures are encapsulated in HTTP/HTTPS protocol and it is in JPEG format.

In particular, once the camera has been activated with the proper OpenWebNet command (*7*0*where##), the picture can be recovered at the following url:

https://IPaddress/telecamera.php?CAM_PASSWD=password
or
http://IPaddress/telecamera.php?CAM_PASSWD=password

Where "IPaddress" is the url of the web server (numeric or alphanumeric as well), and "password" is the password that must be activated and configured using the configuration software and/or through the web pages (in the "configuration" area of the web pages). Please see the devices's manual for further details.

The answer is composed from a header followed by the image in format JPEG.
The header is composed:

HTTP/1.1 200 OK\r\n\
Server: grabtofile\r\n\
Connection: close\r\n\
Content-Length: <length_image>\r\n\
Content-Type: image/jpeg\r\n\r\n

If any password is configured, the pictures can be recovered at the following urls:

https://IPaddress/telecamera.php
or
http://IPaddress/telecamera.php

We strongly suggest to configure a password.

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