



ibaCapture v4.5.0

New features

5/20/2019
iba Gent

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1 GigE Vision multicast slave sources

ibaCapture has been extended with a new GigE Vision camera type. By adding a configuration of this type to the ibaCapture Server, the ibaCapture Encoder will subscribe to the multicast stream of the GigE Vision device. The GigE Vision multicast slave type makes use of the Pleora eBUS SDK internally. Thus, an installation of the eBUS Runtime Package, which can be found on [Pleora's website](#), is required. Setting up a GigE Vision device to run in multicast mode is not possible with ibaCapture. To do this, a third-party application must be used.

Because ibaCapture does not have control over the device when subscribed as receiver to the multicast stream, it is necessary to provide some details of the image format along with the multicast address and port.

MAC address:	<input type="text" value="00-00-00-00-00-00"/>	
<input checked="" type="checkbox"/> Video lost timeout:	<input type="text" value="1.0 s"/>	<input type="button" value="↑"/> <input type="button" value="↓"/>
Multicast IP address:	<input type="text" value="0.0.0.0"/>	
Multicast port:	<input type="text" value="0"/>	<input type="button" value="↑"/> <input type="button" value="↓"/>
Frame rate:	<input type="text" value="25"/>	<input type="button" value="↑"/> <input type="button" value="↓"/> fps
Width:	<input type="text" value="0"/>	<input type="button" value="↑"/> <input type="button" value="↓"/>
Height:	<input type="text" value="0"/>	<input type="button" value="↑"/> <input type="button" value="↓"/>
Pixel format:	<input type="text" value="Mono8"/> <input type="button" value="↓"/>	

2 RTSP server

The ibaCapture Server can be set up as RTSP server, allowing users to access video content via RTSP streams. Both live and replay streams are supported. To enable this new functionality, an additional ibaCapture RTSP server license must be purchased. Also note that live RTSP streams count towards the live stream license usage.

In the RTSP server configuration, ibaCapture provides the option to enable streaming for all cameras or to limit streaming to a selection of video sources.

⚠ Important: RTSP streaming is not supported for ibaCapture-ScreenCam sources because their format is incompatible with RTSP players.

The diagnostics tab on the RTSP server node in the ibaCapture configuration shows the current state of the RTSP server as well as some information about the streams.

Address	Type	Connected since	Throughput
2: ONVIF_TEST (1 client connected) Total throughput: 2.45 Mbps			
127.0.0.1:9069	LIVE RTSP	5/20/2019 12:32:39 PM	2.45 Mbps

Valid RTSP URIs can be created as follows:

- Live:
`rtsp://ip_address:port_no/camera_name/live`
- Replay:
`rtsp://ip_address:port_no/camera_name/replay?begin=yyyyMMddHHmmss
[&end=yyyyMMddHHmmss][&speed=floating-point]`

Percent-encoded camera names are supported. For replay streams, a timestamp marking the start of the stream is required. Optionally, you can add a timestamp which marks and/or a speed factor. Note that negative speed factors are not allowed. The order of the parameters in the query string does not matter.