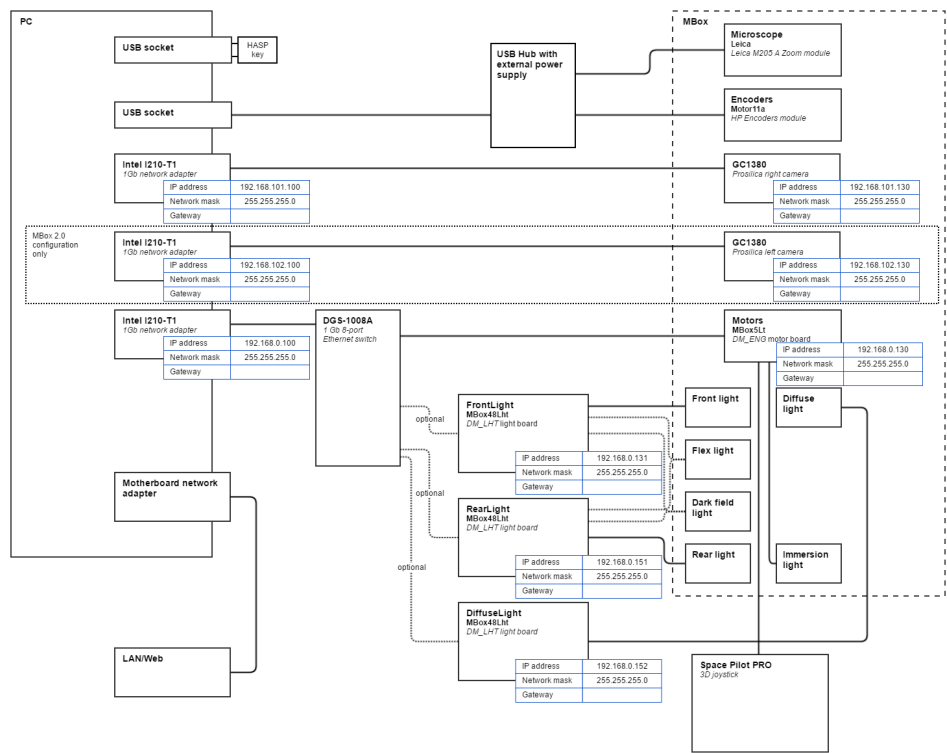


# Network Configuration and Settings

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## System topology for MBox 2.0, MBox 1.5



## Cabling

### Ethernet

Use UTP Cat5E factory-made cables of appropriate length.



## USB

Use USB Type A male (PC side) / USB Type B male (device side) cables, approx. 2 meters length.

[blocked URL](#)

## Endpoints configuration

Endpoint	Group	MicroscopeDrivers. ini  table	Configuration software
Prosilica left adapter	PC		Open Control Panel\Network and Internet\Network Connections, configure each adapter's TCP/IP V4 properties
Prosilica right adapter	PC		
Devices adapter	PC		
Prosilica left camera	MBox	Device= Photo Microscope BeginData Version= Prosilica Name= Left UniqueId= 107085	Run GigEIPConfig, configure IP addresses  Run GigEViewer to find each adapter's UniqueId
Prosilica right camera	MBox	Device= Photo Microscope BeginData Version= Prosilica Name= Right UniqueId= 37222	
DM_ENG motor board	MBox	Table: Motors BeginData Version= MBox5Lt	Download folder <a href="#">dm_eng</a> , edit <b>network.info</b> , lines for <b>IP</b> and <b>mask</b> , then run <b>configure_network.cmd</b>

DM_LHT light board	Light box	<p>Table: FrontLight  BeginData  Version=  MBox48Lht  Address=  192.168.0.131</p> <p>For rear light:</p> <p>Table: RearLight  BeginData  Version=  MBox48Lht  Address=  192.168.0.151</p> <p>For diffuse light:</p> <p>Table:  DiffuseLight  BeginData  Version=  MBox48Lht  Address=  192.168.0.152</p>	<p>Download folder <a href="#">dm_lht</a>, edit <b>network_lt.info</b>, lines for <b>IP</b> and <b>Mask</b> , then run <b>configure_network.cmd</b></p> <p><b>For single board:</b></p> <p>line "Address= ..." in MicroscopeDrivers.ini can be safely deleted</p> <p><b>For multiple boards:</b></p> <p>Every board should be configured separately, with distinct IP, disconnecting another board. Record configured IP address to the "Address= ..." line in the corresponding MicroscopeDrivers.ini table</p>
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