Windows 7, Windows 8.1, and Windows 10 Compatibility

1. INTRODUCTION

The purpose of this document is to:
- Provide a compatibility matrix of tested non-Barco display controllers with Barco displays
- Describe Display Communication methods
- Provide tested driver versions for use with non-Barco display controllers

How to read the compatibility matrix:

✓   Tested Compatible at full refresh rate

✓①   Tested Compatible with certain exceptions

✗   Not Compatible

2. MediCal QAWeb COMPATIBILITY

Non-Barco cards listed in this document have been tested compatible with all basic QAWeb functionality. It is imperative to connect the display using a USB cable to ensure a reliable data connection between the workstation and display, which is needed for calibration and QA tasks.

Barco recommends using the QAWeb Enterprise Online functionality, which is available without additional cost and offers a wide range of capabilities to centrally manage your displays and workstations. More information can be found on https://www.barco.com/qaweb. The QAWeb Enterprise Agent can be downloaded from within the QAWeb Enterprise Portal after the sign-up process has been completed.

The QAWeb Enterprise Agent can alternatively be downloaded from https://www.barco.com/support/qaweb-enterprise. This is particularly useful when planning to deploy the agent in stand-alone mode and you have no access to the QAWeb Enterprise Portal.

3. NON-BARCO DISPLAY CONTROLLER DRIVERS

Due to the large number of potential hardware configurations, Barco does not confirm compatibility of every specific driver available for non-Barco display controllers. However, all display controllers in this document listed as compatible have been validated using drivers openly available from the respective GPU manufacturer's website. The following is a table of drivers used in this testing.

	NVIDIA	AMD
Driver Version(s) Tested	452.57 452.06 442.92 397.93 392.00	20.Q4 20.Q3 20.Q2.1

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4. NON-BARCO DISPLAY CONTROLLER COMPATIBILITY

Product Model	Nvidia Maxwell		Nvidia Pascal								Nvidia RTX		AMD Radeon Pro					
	M4000	M5000	P400	P600	P620	P1000	P2000	P2200	P4000	P5000	RTX4000	RTX5000	WX2100	WX3100	WX3200	WX4100	WX5100	WX7100
	Jun-15	Jun-15	Feb-17	Feb-17	Mar-18	Feb-17	Feb-17	Jun-19	Feb-17	Oct-16	Oct-18	Dec-18	Jun-17	Jun-17	Jul-19	Nov-16	Nov-16	Nov-16
	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping	Shipping
Clinical - Color																		
MDRC-1119	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②	✓②
MDRC-1219	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓	✓	✓②	✓②	✓②
MDRC-1219HB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②	✓②
MDRC-2122	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②	✓②
MDRC-2221	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②
MDRC-2321	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDRC-2222	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②	✓②
MDRC-2224	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②	✓②
MDRC-2324	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nio - Grayscale																		
E-3620-MA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②	✓②
MDNG-2120	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②	✓②
MDNG-3220	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDNG-5121-MA	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	x	✓②	✓②	✓②
MDNG-5221	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	x	✓	✓	✓
MDNG-6121	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	x	✓②	✓②	✓②
MDNG-6221	✓⑤	✓⑤	x	x	x	✓⑤	✓⑤	✓⑤	✓⑤	✓⑤	✓⑤	✓⑤	x	x	x	✓⑤	✓⑤	✓⑤
Nio - Color																		
MDNC-2123	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDNC-2221	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓②	✓②	✓②	✓②	✓②	✓②
MDNC-3321	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDNC-3421	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDNC-6121	✓①	✓①	x	x	x	✓①	✓①	✓①	✓①	✓①	✓①	✓①	x	x	✓①	✓①	✓①	✓①
MDNC-12130	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	✓	✓	✓	✓
Coronis - Grayscale																		
MDCG-3221	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDCG-5121	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	x	✓	✓	✓
MDCG-5221	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	x	✓	✓	✓
MDCG-10130	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	x	✓	✓	✓
MDMG-5121-MA	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	x	✓	✓	✓
MDMG-5221	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	x	✓	✓	✓
Coronis - Color																		
MDCC-4130	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDCC-4230	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDCC-4330	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDCC-4430	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MDCC-6330	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	✓	✓	✓	✓
MDCC-6430	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	✓	✓	✓	✓
MDCC-6530	✓	✓	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	✓	✓	✓	✓
MDMC-12133	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Pathology																		
MDPC-8127	x	x	x	x	x	✓	✓	✓	✓	✓	✓	✓	x	x	✓	✓	✓	✓

① Third party graphics controllers can only support 30-bit imaging at a refresh rate of 35 Hz on the MDNC-6121. Color calibration is not supported.

② When the AMD driver is in 30-bit imaging mode, QAWeb cannot calibrate displays using external sensors.

③ Single-link Dongle required

④ Dual-link Dongle required

⑤ Third party graphics controllers can only support 30-bit imaging at a refresh rate of 35 Hz on the MDNG-6221.

⑥ Single-link Dongle required for 24-bit mode at a 25-Hz refresh rate. 30-bit mode is not supported.

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