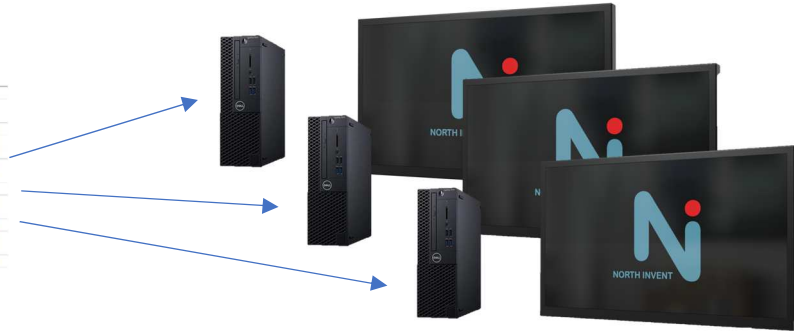


North Invent ECDIOS calibration

All North Invent monitors are color calibrated to have identical color response and brightness at max setting. This means that every monitor of the same type will look identical both in ECDIS and when used for other tasks like windows aso. This also means that the same ECDIS table can be used for all monitors of the same type (size).

Mode	R	G	B	dLmin	dLmax	x nominal	y nominal	lv nominal
Day	227							
UBLOCK_DEPI	305	207	221	64	96	0.28	0.31	80
OUTLW_LUIF	1	7	16	0	0	0.2	0.28	0.31
BKAU1	19	24	24	0.48	0.72	0.28	0.31	0.6
BROAD	79	79	78	1.28	1.92	0.28	0.31	1.6
UBDR_LIN	68	85	88	8	12	0.28	0.31	10
RES03_RESK	99	126	132	20	30	0.28	0.31	25
NORDTA	171	155	167	37	48	0.28	0.31	40
LUNNB_RISI	32	111	217	27.6	26.4	0.18	0.15	21
LUIAFD_DEP	81	163	235	36	54	0.21	0.22	45
DEPMAS	107	177	229	44	66	0.23	0.25	55
DEPMO	137	200	215	52	78	0.26	0.29	65
LUNNB_TRF	155	65	177	16	24	0.3	0.17	20
TRICF_CHIV	165	151	212	38.4	57.6	0.28	0.24	48
TRICF_DPH	76	102	71	40	73	0.31	0.22	60



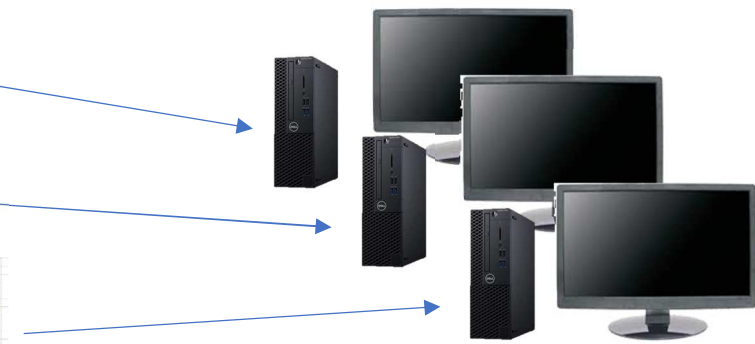
Because only one ECDIS color table is needed for each monitor type it is usually hardcoded* into the ECDIS application.

* In most cases the color table is not actually hardcoded into the application source code. Instead, is it often stored as a configuration file that is simply loaded by the application.

Competitor ECDIS calibration

Most of our competitors don't actually calibrate the monitor. Instead, they compile an ECDIS color table for each unit so that at least ECDIS colors are reproduced correctly. This means that color response and brightness may vary between units when not used for ECDIS. This also means that each installation needed a unique ECDIS colors table which would be extremely hard to handle manually.

Mode	R	G	B	dLmin	dLmax	x nominal	y nominal	lv nominal
Day	227							
UBLOCK_DEPI	305	207	221	64	96	0.28	0.31	80
OUTLW_LUIF	1	7	16	0	0	0.2	0.28	0.31
BKAU1	19	24	24	0.48	0.72	0.28	0.31	0.6
BROAD	79	79	78	1.28	1.92	0.28	0.31	1.6
UBDR_LIN	68	85	88	8	12	0.28	0.31	10
RES03_RESK	99	126	132	20	30	0.28	0.31	25
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DEPMO	137	200	215	52	78	0.26	0.29	65
LUNNB_TRF	155	65	177	16	24	0.3	0.17	20
TRICF_CHIV	165	151	212	38.4	57.6	0.28	0.24	48
TRICF_DPH	76	102	71	40	73	0.31	0.22	60



Therefore, some choose to store the unique color tables in the individual units and implement means to retrieve the color table eg through a serial link or similar. This requires the ECDIS application to support the transfer protocol and data format chosen by the manufacturer.