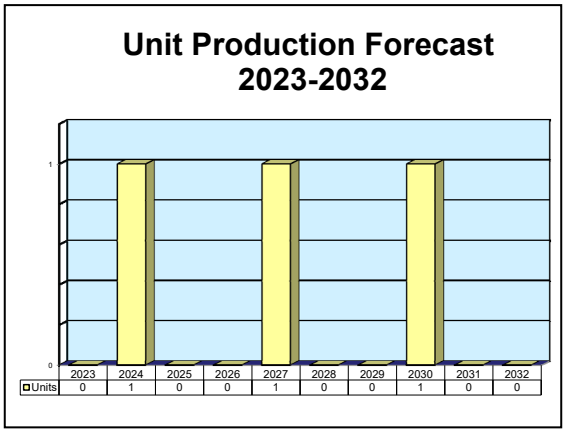
Ultra Command and Control Console (UC2C)

Outlook

- Console more suited for coastal/river patrol-size vessels that have little shipboard space
- No procurement seen at this time
- Possible sales of systems as replacements/spares from company inventory possible during the forecast period
- Projected unit sales in line with potential spares market



Orientation

Description. The Ultra Command and Control Console (UC2C) is a multifunctional naval command and control (C2) workstation that incorporates LCD flat-screen technology.

Sponsor

Ultra Electronics Command & Control Systems
Knaves Beech Business Centre
Loudwater
High Wycombe
Buckinghamshire HP10 9UT
United Kingdom
Tel: + 44 1628 530000
Website: http://www.ultra-ccs.com

Status. Available for procurement and operational use worldwide.

Application. Naval command and control for surface ships.

Platform. Various naval vessels; especially suited for smaller boats such as offshore patrol vessels (OPVs).

Price Range. Specific pricing is not available at this time. Based upon the cost of comparable systems, a UC2C unit could cost around $672,760 in 2023 dollars (speculative).

Ultra Command and Control Console (UC2C)

Contractors

Prime

Ultra Command & Sonar Systems (CSS)	http://www.ultra.group/ultra-css/, Knaves Beech Business Park, Loudwater, High Wycombe, Buckinghamshire, United Kingdom, Tel: + 44 1628 530000, Fax: + 44 44 1628 524557, Prime

Contractors are invited to submit updated information to Editor, International Contractors, Forecast International, 75 Glen Road, Suite 302, Sandy Hook, CT 06482, USA; rich.pettibone@forecast1.com

Technical Data

Specifications	**Single Screen**	**Twin Screen (V)**	**Twin Screen (H)**
Height	1,232 mm	1,653 mm	1,232 mm
Depth	900 mm	900 mm	900 mm
Width	600 mm	600 mm	1,198 mm
Weight	112 kg	130 kg	133 kg
Weight with Processor	125 kg	143 kg	146 kg
Temperature Range – Operating	15°C to 35°C RH 100% or 20 minutes in one hour	15°C to 35°C RH 100% or 20 minutes in one hour	15°C to 35°C RH 100% or 20 minutes in one hour
Temperature Range – Non-Operating	-40°C to 70°C RH 75%	-40°C to 70°C RH 75%	-40°C to 70°C RH 75%
Trackerball Size	2 in	2 in	2 in
Alphanumeric Keypad	PS2 interface	PS2 interface	PS2 interface
Mouse Interface	PS2 interface	PS2 interface	PS2 interface
Headset Interface	Rice 10 – headset connector	Rice 10 – headset connector	Rice 10 – headset connector
Display Brightness	Dimmable to <1cd/cm²	Dimmable to <1cd/cm²	Dimmable to <1cd/cm²
Display Size/Type Interface	20-in or 21-in LCD	20-in or 21-in LCD	20-in or 21-in LCD
Display Resolution	1,600 x 1,200	1,600 x 1,200	1,600 x 1,200
Workstation Processor	Selected to meet customer requirements	Selected to meet customer requirements	Selected to meet customer requirements

Design Features. The UC2C is a multifunction workstation that uses LCD flat-screen and commercial off-the-shelf (COTS) technologies for efficiency of operation and maintenance. The unit produces lower heat than more traditional CRT-monitor stations and also has a very low magnetic signature. Additionally, electromagnetic compatibility (EMC) screening and the absence of any degaussing effects allow the UC2C to be installed on various ship classes.

Variants/Upgrades

UC2C. Earlier versions used the more traditional CRT monitors, which have more proprietary military equipment than COTS components.

Ultra Command and Control Console (UC2C)

Brazilian Navy Amazonas Class OPV BNS *Araguari*

Source: Brian Burnell Photography/CC-BY-SA-3.0

Program Review

Previous models of the UC2C, using more traditional CRT technology, are reportedly in operation with at least six navies worldwide.

In 2007, the government of Trinidad and Tobago placed an order for up to three BAE Systems offshore patrol vessels that were to be equipped with the latest version of the UC2C. The vessels were to be used by the Trinidad and Tobago Coast Guard and named the Port of Spain class. Trinidad and Tobago canceled the order in September 2010, even though two of the vessels had been constructed and were ready for delivery and the crew had undergone training.

Brazil purchased the OPVs in 2012 and christened them the Amazonas class. Although unconfirmed, the ships most likely came equipped with the UC2Cs that were intended for Trinidad and Tobago.

Although no recent orders have been identified, there is a limited possibility for new installations or the replacement of existing units in the later years of the forecast period.

Funding

Funded by Ultra Electronics.

Contracts/Orders & Options

No recent contracts of over $5 million have been identified.

Contractor	Award ($ millions)	Date/Description
BAE Systems	1,500.0	Apr 2007 – Contract from the government of Trinidad for three Vega class OPVs to be equipped with the UC2C. This contract was canceled in 2010.

Ultra Command and Control Console (UC2C)

Worldwide Distribution/Inventories

Earlier versions of the system are reportedly in service with six unidentified countries.

Brazil: Three Amazonas class offshore patrol vessels. Unknown if the sale included the UC2C, but there is a high probability that it did.

Trinidad and Tobago: Canceled its order for three OPVs (built by BAE Systems) equipped with the UC2C (later sold to Brazil).

Forecast Rationale

The Ultra Electronics Ultra Command and Control Console (UC2C) is a multifunction naval command and control workstation that incorporates LCD flat-screen technology for more efficient operation and easier maintenance than found with other workstations. The UC2C is suitable for a number of different ships, and various versions are reportedly in service with at least six countries.

Sales for new installations or the replacement of existing units have all but dried up, but a sale or two during the forecast period is possible. At this time, purchases are speculative, but not completely out of the question. Any production numbers forecast for the UC2C are for the spares market. Since the system is in operation, spares need to be made in order to maintain the ships that they equip.

Ten-Year Outlook

ESTIMATED CALENDAR YEAR UNIT PRODUCTION												
Designation or Program		High Confidence				Good Confidence			Speculative			
	Thru 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
Ultra Command & Sonar Systems (CSS)												
UC2C <> Ultra Command and Control Console <> Navy												
	3	0	1	0	0	1	0	0	1	0	0	3
Total	3	0	1	0	0	1	0	0	1	0	0	3