EXPLORERS, INC. - System Integration

Land



VEX EDR Joysticks
Driver Control



VEX EDR Cortex
Microcontroller



7.2V NiCad Battery

PWM 3 Wire
Motor Control Signal (6)



Motor/Speed
Controllers (6)
Victor SP

FRC Power Distribution



5A Auto Reset
Breaker (6)



10A Auto Reset Breaker
Camera Power



Tether to ROV

25A Main
Fuse



12V DC Power Supply

Video Multiplexer





Video Monitors



Below Waterline

12V, 5A, 500GPH Bilge Pumps (6)



Underwater Color Video Cameras (2)





Underwater B&W Video Cameras (2)



USB Video Camera

Video
+12V
GND